

**Warning!**

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pictogram legend:



The following notes only provides information. In most no error has occurred



Customer and Hotline may be able to solve the problem without a technical visit.









Technician repair or service required. Check whether on-site visit or use of bring-in service is required for the product in question.




diagnostic- code	subcode1 subcode2	diagnostic message	remedy
CB:0		New online service messages	New OLS message on communication board remark: OLS message. At start up of system when OLS is enabled and new messages are available in OLS menu.
CB:1		Technical failure	System serial number memorized in communication board is not the same as on ID tag. Most likely because of exchanged connection board from an existing system. remark: OLS or INF error. At IN startup and configuration check. Communication board is configured on a different inserter than the current inserter (based on serial number). After reset error: choice Continue without action or Initialise communication board.
CB:10		Auto connection failure	Automatic connection failed. Statistic buffer overflow >95%, batch data might be lost remark: OLS error. During operations, when stop or clear is pressed and the system is stopped, and allocated memory is getting full. Only when OLS is on an options statistics is enabled.
CB:11		Technical failure	FRAM chip not available on communication board remark: During start up, and OLS/FIF is enabled.
CB:12		Technical failure	FRAM not formatted remark: During start up, and OLS/FIF is enabled.
CB:13		Technical failure	FRAM contains old data structure remark: During start up, and OLS/FIF is enabled.
CB:14a.. z		Technical failure	FRAM contains corrupt data remark: When reading data block.
CB:15		Technical failure	Incorrect software in communication board or inserter board remark: At IN startup and configuration check. Communication board is expected because of service settings or licence.





diagnostic- code	subcode1 subcode2	diagnostic message	remedy
CB:16		Technical failure	PCB communication board failure remark: During start up of the system (and OLS/FIF is enabled).
CB:17		Technical failure	ISIS link down between main board and communication board remark: Communication lost between inserter and communication board.
CB:2		Technical failure	Communication board missing or defect, or internal cables or PCB defect remark: OLS or INF error. At IN startup and configuration check. Also when INF info is needed (INF job start, INF job adjust). Communication board is expected because of service settings or licence. Cause: internal Cables, PCB defect.
CB:4		Technical failure	No modem available/ detected, modem defect, modem not plugged in, cable defect, no connector board, connector board defect remark: OLS error. At IN startup and configuration check and modem is expected because of service settings or licence.
CB:5		Technical failure	The installed modem could not be detected as a legal version remark: OLS error. At IN startup and configuration check and modem is expected because of service settings or licence.
CB:50		No analogue phone detected	There is no analogue phone line connected to the machine or the line is faulty remark: OLS message: At Osiris connection set up Check the phone-line.
CB:51		No dial tone	The modem failed to detect a dial signal. Could also happen if the phone-line is not connected remark: OLS message: At Osiris connection set up Check the phone-line (e.g. by connecting a normal analogue phone and listening to the receiver. If there is a Dalton, try disabling the dial tone detect in the OLS configuration screen on the device).
CB:52		OLS dialling interrupted by user	The user/supervisor pressed the disconnect button while dialing out remark: OLS message: At the initiation of a new OLS connection and the drilling is interrupted by user.






diagnostic- code	subcode1 subcode2	diagnostic message	remedy
CB:54		OLS line busy	The phone number being dialed is busy remark: OLS message: At the initiation of a new OLS connection and there is no incoming phone line available at the server or there is congestion on the public phone network. Try again later.
CB:57		OLS connection refused by server	At setting up an OLS connection the authentication process of the system failed because system is not allowed to connect remark: OLS message: The IP settings are not correct. Check IP number and port. Also it could be that the device is not allowed to authenticating.
CB:58		Protocol error	The connection to the server succeeded but the server doesn't allow this device to communicate with the server remark: OLS message: The device is not know by the server. Check on the OLS server if this device serial number is known by the server.
CB:6		Technical failure	Internal cables defect or Communication/ Connection board defect remark: INF error. At IN startup and configuration check (only when INF options are enabled). Also when INF job is started or INF job is edited and no communication is possible.
CB:61		Automatic stats upload failed	The upload of statistics is interrupted remark: Ask OLS server administrator to investigate.
CB:62		Configuration upload/download failed	The upload of the configuration information is interrupted remark: Ask OLS server administrator to investigate.
CB:63		Automatic software download failed	A software download is interrupted remark: Ask OLS server administrator to investigate.
CB:64		Automatic job download failed	A job download is interrupted remark: Ask OLS server administrator to investigate.







diagnostic- code	subcode1 subcode2	diagnostic message	remedy
CB:65		Automatic feature download failed	A feature download is interrupted remark: Ask OLS server administrator to investigate.
CB:66		Automatic flex code download failed	A flex OMR download is interrupted remark: Ask OLS server administrator to investigate.
CB:67		No carrier	The modem failed to negotiate with the modem of the server remark: OLS message: At the initiation of a new OLS connection. This could have multiple reasons. E.g. the quality of the line is bad or the negotiation with the modem of the server failed. Try again later. If it continues to fail repeatedly verify line signal quality for example by connecting an analogue phone to the line and listen to the dial tone, try to make an external call.
CB:7		Technical failure	Modem not ready or serial port initialisation of modem failed remark: OLS error. At IN startup and configuration check (only when OLS is switched on in service menu).
CB:8		Technical failure	Clock update received from server failed remark: During run, system should continue.
CB:9		Technical failure	Communication board has had power dip remark: OLS error. At IN startup and configuration check (only if OLS is switched on in service menu).





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FE1:0		Empty feeder		<p>Empty feeders, wrong document type, document width setting, manual document separation adjustment</p> <p>remark: This error is generated if a feeder is empty. This can be put right by refilling the feeder and pressing <RESET>. This is no fatal error; after restarting the job, the set will be finished. In order to do a restart after this error, press the start button.</p>
FE1:10		Document too thick		<p>Document type, document separation adjustment (manual separation only), separation rollers worn out</p> <p>remark: This error is generated if a feeder inserts a double page. This is a fatal error.</p>
FE1:11		Feeding failure		<p>Incorrect thickness reference, irregular document types, DFC defect or loose</p> <p>remark: This error is generated if the sheet on which the DFC is adjusted was a double sheet. This error can only be generated with the first sheet that a feeder hands in after adjustment (when this sheet is thinner than the one that was used for the adjustment). This is a fatal error.</p>
FE1:12		Document too long		<p>Document separation adjustment (manual separation only, document type, document job settings, photocells dusty)</p> <p>remark: This error is generated if a feeder hands in a document that is more than 20% longer than the document size that was set up for that feeder in that particular job. This is a fatal error.</p>
FE1:13		Document stoppage		<p>Blocked document path, document separation adjustment (manual separation only), document type, document job settings, photocells dusty</p> <p>remark: This error is generated if a feeder is handing in a document and it is found that the document is at least 50% longer than the document size that was set up for that feeder in that particular job. This is a fatal error.</p>
FE1:14		Document too short		<p>Incorrect document type, document job settings, photocell readjustment needed</p> <p>remark: This error is generated if a feeder hands in a document with a length that is more than 45 mm shorter than the document size that was set up for that feeder in that particular job. This is a fatal error.</p>





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FE1:20		MaxiFeederTM failure		<p>Incorrect job settings for MaxiFeederTM</p> <p>remark: This error is generated if an MF is plugged in and a job is started that does not comply with the specifications of the MF-3. This can occur when the lowest feeder is a complete station, and the doc length is adjusted to >156 mm and/or to multifeed.</p>
FE1:21		Unauthorized job		<p>Incorrect document job settings, dongle reading failure</p> <p>remark: This error is generated if a 2 station machine is reconstructed to a 1.5 station machine (dongle removed) and a job is started that does not comply with the specifications for a half station. This is the case when the doc length for that half station is adjusted to >156 mm and/or to multifeed.</p>
FE1:22		MaxiFeederTM failure		<p>Incorrect job settings for MaxiFeederTM</p> <p>remark: This error is generated if an MF is plugged in and a job is started that does not comply with the specifications of the MF-3. This can occur when the lowest feeder is a complete station, and the doc length is adjusted to >156 mm and/or to multifeed.</p>
FE1:51		Technical failure		<p>Led current cannot be adjusted to have photocell voltage between 0.8 and 1.3 V. Dusty, incorrect positioning, incorrectly assembled</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>







diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FE1:52		Feeder sensor error		<p>Too much voltage received by photocell. Current cannot be correctly adjusted (too low)</p> <p>remark: Overexposure receiver error. This error is generated if the involved photocell is too sensitive: during adjustment the LED current becomes too low (adjustment after 25 sheets). Lower limit is 5/ 256 x100%. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
FE1:53		Technical failure		<p>LED current adjusted too low</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
FE1:54		Technical failure		<p>Photocell, cables or connectors defect</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
FE1:55		Feeder sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in de receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>






diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FE1:56		Feeder sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
FE1:60		Feeding failure		<p>Document separation failing, DFC defect, Cables defect</p> <p>remark: This error is generated when the DFC can not see the difference between paper being present or not present. This can be caused by a continuous flow of paper (no space in between sheets) or by a defect in the DFC. After reset, a new reference value is taken. When still no difference is measured, error FE1 t/m FE3):61 shows. There is a defect in the DFC.</p>
FE1:61		DFC failure		<p>DFC defect, cables defect</p> <p>remark: This error is generated if the DFC can not be adjusted.</p>
FE1:62		Technical failure		<p>DFC defect, cables defect</p> <p>remark: This error is generated in a job where the DFC is turned on while it is defect. This error returns after each change of job.</p>
FE2:0		Empty feeder		<p>Empty feeders, wrong document type, document width setting, manual document separation adjustment</p> <p>remark: This error is generated if a feeder is empty. This can be put right by refilling the feeder and pressing <RESET>. This is no fatal error; after restarting the job, the set will be finished. In order to do a restart after this error, press the start button.</p>





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FE2:10		Document too thick		Document type, document separation adjustment (manual separation only), separation rollers worn out remark: This error is generated if a feeder inserts a double page. This is a fatal error.
FE2:11		Feeding failure		Incorrect thickness reference, irregular document types, DFC defect or loose remark: This error is generated if the sheet on which the DFC is adjusted was a double sheet. This error can only be generated with the first sheet that a feeder hands in after adjustment (when this sheet is thinner than the one that was used for the adjustment). This is a fatal error.
FE2:12		Document too long		Document separation adjustment (manual separation only, document type, document job settings, photocells dusty remark: This error is generated if a feeder hands in a document that is more than 20% longer than the document size that was set up for that feeder in that particular job. This is a fatal error.
FE2:13		Document stoppage		Blocked document path, document separation adjustment (manual separation only), document type, document job settings, photocells dusty remark: This error is generated if a feeder is handing in a document and it is found that the document is at least 50% longer than the document size that was set up for that feeder in that particular job. This is a fatal error.
FE2:14		Document too short		Incorrect document type, document job settings, photocell readjustment needed remark: This error is generated if a feeder hands in a document with a length that is more than 45 mm shorter than the document size that was set up for that feeder in that particular job. This is a fatal error.
FE2:20		MaxiFeederTM failure		Incorrect job settings for MaxiFeederTM remark: This error is generated if an MF is plugged in and a job is started that does not comply with the specifications of the MF-3. This can occur when the lowest feeder is a complete station, and the doc length is adjusted to >156 mm and/or to multifeed.






diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FE2:21		Unauthorized job		<p>Incorrect document job settings, dongle reading failure</p> <p>remark: This error is generated if a 2 station machine is reconstructed to a 1.5 station machine (dongle removed) and a job is started that does not comply with the specifications for a half station. This is the case when the doc length for that half station is adjusted to >156 mm and/or to multifeed.</p>
FE2:22		MaxiFeederTM failure		<p>Incorrect job settings for MaxiFeederTM</p> <p>remark: This error is generated if an MF is plugged in and a job is started that does not comply with the specifications of the MF-3. This can occur when the lowest feeder is a complete station, and the doc length is adjusted to >156 mm and/or to multifeed.</p>
FE2:52		Feeder sensor error		<p>Too much voltage received by photocell. Current cannot be correctly adjusted (too low)</p> <p>remark: Overexposure receiver error. This error is generated if the involved photocell is too sensitive: during adjustment the LED current becomes too low (adjustment after 25 sheets). Lower limit is 5/ 256 x100%. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
FE2:53		Technical failure		<p>LED current adjusted too low</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>






diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FE2:54		Technical failure		<p>Photocell, cables or connectors defect</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
FE2:55		Feeder sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in the receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
FE2:56		Feeder sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
FE2:60		Feeding failure		<p>Document separation failing, DFC defect, Cables defect</p> <p>remark: This error is generated when the DFC can not see the difference between paper being present or not present. This can be caused by a continuous flow of paper (no space in between sheets) or by a defect in the DFC. After reset, a new reference value is taken. When still no difference is measured, error FE1 t/m FE3):61 shows. There is a defect in the DFC.</p>





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FE2:61		DFC failure		DFC defect, cables defect remark: This error is generated if the DFC can not be adjusted.
FE2:62		Technical failure		DFC defect, cables defect remark: This error is generated in a job where the DFC is turned on while it is defect. This error returns after each change of job.
FE3:0		Empty feeder		Empty feeders, wrong document type, document width setting, manual document separation adjustment remark: This error is generated if a feeder is empty. This can be put right by refilling the feeder and pressing <RESET>. This is no fatal error; after restarting the job, the set will be finished. In order to do a restart after this error, press the start button.
FE3:10		Document too thick		Document type, document separation adjustment (manual separation only), separation rollers worn out remark: This error is generated if a feeder inserts a double page. This is a fatal error.
FE3:11		Feeding failure		Incorrect thickness reference, irregular document types, DFC defect or loose remark: This error is generated if the sheet on which the DFC is adjusted was a double sheet. This error can only be generated with the first sheet that a feeder hands in after adjustment (when this sheet is thinner than the one that was used for the adjustment). This is a fatal error.
FE3:12		Document too long		Document separation adjustment (manual separation only, document type, document job settings, photocells dusty remark: This error is generated if a feeder hands in a document that is more than 20% longer than the document size that was set up for that feeder in that particular job. This is a fatal error.



diagnostic- code	subcode1 subcode2	diagnostic message	remedy
FE3:13		Document stoppage	 <p>Blocked document path, document separation adjustment (manual separation only), document type, document job settings, photocells dusty</p> <p>remark: This error is generated if a feeder is handing in a document and it is found that the document is at least 50% longer than the document size that was set up for that feeder in that particular job. This is a fatal error.</p>
FE3:14		Document too short	 <p>Incorrect document type, document job settings, photocell readjustment needed</p> <p>remark: This error is generated if a feeder hands in a document with a length that is more than 45 mm shorter than the document size that was set up for that feeder in that particular job. This is a fatal error.</p>
FE3:20		MaxiFeederTM failure	 <p>Incorrect job settings for MaxiFeederTM</p> <p>remark: This error is generated if an MF is plugged in and a job is started that does not comply with the specifications of the MF-3. This can occur when the lowest feeder is a complete station, and the doc length is adjusted to >156 mm and/or to multifeed.</p>
FE3:21		Unauthorized job	 <p>Incorrect document job settings, dongle reading failure</p> <p>remark: This error is generated if a 2 station machine is reconstructed to a 1.5 station machine (dongle removed) and a job is started that does not comply with the specifications for a half station. This is the case when the doc length for that half station is adjusted to >156 mm and/or to multifeed.</p>
FE3:22		MaxiFeederTM failure	 <p>Incorrect job settings for MaxiFeederTM</p> <p>remark: This error is generated if an MF is plugged in and a job is started that does not comply with the specifications of the MF-3. This can occur when the lowest feeder is a complete station, and the doc length is adjusted to >156 mm and/or to multifeed.</p>

diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FE3:51		Technical failure		<p>Led current cannot be adjusted to have photocell voltage between 0.8 and 1.3 V. Dusty, incorrect positioning, incorrectly assembled</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
FE3:52		Feeder sensor error		<p>Too much voltage received by photocell. Current cannot be correctly adjusted (too low)</p> <p>remark: Overexposure receiver error. This error is generated if the involved photocell is too sensitive: during adjustment the LED current becomes too low (adjustment after 25 sheets). Lower limit is 5/ 256 x100%. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
FE3:53		Technical failure		<p>LED current adjusted too low</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
FE3:54		Technical failure		<p>Photocell, cables or connectors defect</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>

diagnostic- code	subcode1 subcode2	diagnostic message	remedy
FE3:55		Feeder sensor error	 <p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in de receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
FE3:56		Feeder sensor dusty	 <p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
FE3:60		Feeding failure	 <p>Document separation failing, DFC defect, cables defect</p> <p>remark: This error is generated when the DFC can not see the difference between paper being present or not present. This can be caused by a continuous flow of paper (no space in between sheets) or by a defect in the DFC. After reset, a new reference value is taken. When still no difference is measured, error FE1 t/m FE3):61 shows. There is a defect in the DFC.</p>
FE3:61		DFC failure	 <p>DFC defect, cables defect</p> <p>remark: This error is generated if the DFC can not be adjusted.</p>
FE3:62		Technical failure	 <p>DFC defect, cables defect</p> <p>remark: This error is generated in a job where the DFC is turned on while it is defect. This error returns after each change of job.</p>

diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FO:11		Folding failure		Document set thickness, mechanical defect in first fold table, folding sensors defect remark: This error is generated if 500 ms after powering the clutch of the 1td fold table no flank is detected on the curve disc sensor of the first fold table. Possible causes: fold table blocking by a not foldable document (stiff material), mechanical defect on fold table, clutch or sensor.
FO:12		Folding failure		Document set thickness, mechanical defect in first fold table, folding sensors defect remark: This error is generated if 500 ms after powering the clutch of the 2ntd fold table no flank is detected on the curve disc sensor of the 2nd fold table. Possible causes: fold table blocking by a not foldable document (stiff material), mechanical defect on fold table, clutch or sensor.
FO:14		not possible		Not supported documents and envelope type detected for Fill&Start remark: This error is generated when due to folder limitations the fold can not be made that was calculated based on measured document lengths and envelope height.
FO:61		Technical failure		Led current cannot be adjusted to have photocell voltage between 0.8 and 1.3 V. Dusty, incorrect positioning, incorrectly assembled remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.
FO:62		Folder entry sensor error		Too much voltage received by photocell. Current cannot be correctly adjusted (too low) remark: Overexposure receiver error. This error is generated if the involved photocell is too sensitive: during adjustment the LED current becomes too low (adjustment after 25 sheets). Lower limit is 5/ 256 x100%. After pressing the reset button, the following warning message appears: 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. Go back to the main menu.

diagnostic- code	subcode1 subcode2	diagnostic message		remedy
FO:63		Technical failure		<p>LED current adjusted too low</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
FO:64		Technical failure		<p>Photocell, cables or connectors defect</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
FO:65		Folder entry sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in the receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears: 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. Go back to the main menu.</p>
FO:66		Folder entry sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears: 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. Go back to the main menu.</p>

diagnostic- code	subcode1 subcode2	diagnostic message	remedy
FO:7		Document stoppage 	Set not removed after job change remark: This error is generated when paper is left in the folder after a job change.
FO:8		Folder entry blockage 	Document feeding, document separation, document path not cleared after previous stoppage, skewing of set, slippage remark: This error is generated if the Folder entry cell is covered longer than 500 pulses (about 475 mm). Caused by incorrect folder transport, or the document is blocking in collator.
INF:00		Cover open on franking machine	Cover opened during INF run
INF:1		Franking machine stopped via start/stop key	This error is raised when the user pressed the 'Stop' button on the FM during a run resulting in an emergency stop. The last envelopes(s) that left the franking machine might not be franked.
INF:10		Selecting franking machine job failed	Unable to select a job at the FM due to an unsupported error (condition). Try to restart the job again or switch off/on the FM. remark: During run or pressing start key.
INF:11		An internal error occurred which blocks job execution	Unable to make some settings at the FM due to an unsupported error (condition). Try to restart the job again or switch off/on the FM. remark: During run.
INF:12		An internal error occurred which blocks job execution	Unable to retrieve settings from the FM due to an unsupported error (condition). Try to restart the job again or switch off/on the FM. remark: During run.
INF:13		An internal error occurred which blocks job execution	Unable to configure the 'Base' (FM) due to an unsupported error (condition). Try to restart the job again or switch off/on the FM. remark: When pressing start key.
INF:14		An internal error occurred which blocks job execution	Unable to configure the 'Advanced Feeder' (AF) due to an unsupported error (condition). Try to restart the job again or switch off/on the FM. remark: During run or pressing start key.

diagnostic- code	subcode1 subcode2	diagnostic message	remedy
INF:15		An internal error occurred which blocks job execution	Due to some unsupported error (condition) INF is unable to stop the FM. Switch off/on the FM. remark: During run or pressing start key.
INF:16		Franking machine is in stand alone mode	The FM is being used 'stand alone'. As a result INF cannot gain control over the FM. remark: At changing DS+MS job settings (for which information from FM is needed), job info or starting DS+MS job. In job edit, after reset: continue the job edit menu. The fields that can not be adjusted and knobs that belong with that fields are grey. Only pass through can be selected.
INF:17		Communication failure with franking machine	Due to some unsupported error (condition) the FM did not complete the starting sequence in time. Try to start the job again or switch off/on the FM. remark: During run.
INF:18		Communication failure with franking machine	A time-out occurred when attempting to wake up the FM from sleep/stand-by mode. The FM did not wake up in time. Try to start the job again or switch off/ on the FM. remark: During run.
INF:19		Franking machine already started	The FM cannot be started as it is already running. Probably the user started the FM manually or the FM was not stopped in the previous job. If not, switch off/on the FM. remark: When pressing start key.
INF:2		No communication with franking machine	Due to a time out INF decided that communication with the FM has dropped. Caused by an internal problem at the FM or by disconnecting the serial cable. Check the cabling and restart the job from the IN. If this fails, switch off/on the FM or the whole system. remark: At changing DS+MS job settings (for which information from FM is needed), job info or starting DS+MS job. In job edit, after reset: continue the job edit menu. The fields that can not be adjusted and knobs that belong with that fields are grey. Only pass through can be selected.
INF:20		Internal error on franking machine	The FM decided to execute an emergency stop. However, it did not provide any further information for the reason. Try to start the job again or switch off/ on the FM. remark: During run or pressing start key.





diagnostic- code	subcode1 subcode2	diagnostic message	remedy
INF:21		Selecting franking machine job failed	<p>Inserting job is coupled to a non-existing FM job (the specified job ID is empty). Update the job definition at the IN or create a job at the FM.</p> <p>remark: At changing DS+MS job settings (for which information from FM is needed) or starting DS+MS job. In job edit, after reset: continue the job edit menu. The fields that can not be adjusted and knobs that belong with that fields are grey. Only pass through can be selected.</p>
INF:22		Communication failure with franking machine	<p>Indicates that the FM won't accept commands and/or data from INF. Just wait and try to start the job again or switch off/on the FM.</p> <p>remark: When pressing start key.</p>
INF:23		The franking machine is in error mode	<p>INF is not able to configure the FM as some error has occurred that has not yet been solved and is not specified. Please check the FM UI for any message and close any covers. Otherwise switch off/on the FM.</p> <p>remark: When pressing start key.</p>
INF:24		The franking machine is in busy mode	<p>INF is not able to configure the FM as the FM is busy for some unknown. reason Please wait a while, otherwise switch off/on the FM.</p> <p>remark: When pressing start key.</p>
INF:25		Internal failure on franking machine	<p>Unable to configure the 'Dynamic Scale' (DS) due to an unsupported error (condition). Try to restart the job again or switch off/on the FM.</p> <p>remark: When pressing start key.</p>
INF:26		Communication failure with franking machine	<p>The FM did not complete the stop sequence in time. The FM might have to be switched off/ on in order to continue with another job.</p> <p>remark: When pressing start key.</p>
INF:27		Communication failure with franking machine	<p>During job execution the FM terminated the job unexpectedly for some unknown reason. Try to restart the job again or switch off/on the FM.</p> <p>remark: When pressing start key.</p>
INF:28		Auto clean on franking machine in progress	<p>Notification from the FM that the Auto Clean Cycle will be started very soon.</p> <p>remark: When pressing start key.</p>









diagnostic- code	subcode1 subcode2	diagnostic message	remedy
INF:29		Cover open on franking machine	<p>Franking machine cover open, cover switches defect or loose? Close the cover. This error is only generated when the cover switch is activated. It does not register if the cover is open or closed.</p> <p>remark: During run or pressing start key.</p>
INF:3		Envelope stoppage between inserter and franking machine	<p>This error is raised when an envelope is not franked within X seconds after having left the insert area (system and configuration dependent). The envelope might not be franked by the FM.</p> <p>remark: During run.</p>
INF:30		Communication failure with franking machine	<p>Due to some fatal error condition communication with the FM has dropped in Alayer. Try to start the job again or switch off/ on the FM or the system as a whole.</p> <p>remark: When pressing start key.</p>
INF:31		Communication failure with franking machine	<p>Due to some fatal error condition communication with the FM has dropped in Tlayer. Try to start the job again or switch off/ on the FM or the system as a whole.</p> <p>remark: When pressing start key.</p>
INF:32		Communication failure with franking machine	<p>Due to some fatal error condition communication with the FM has dropped in Dlayer. Try to start the job again or switch off/ on the FM or the system as a whole.</p> <p>remark: When pressing start key.</p>
INF:33		Communication failure	<p>INF received an envelope from the IN but the data for that envelope was either lost or never delivered to INF. INF is unable to recover from this situation. Remove the envelope from the waiting position and start the job again.</p> <p>remark: When pressing start key.</p>
INF:34		Wait position occupied	<p>INF received data for the next envelope while the current envelope has not yet left the waiting position. Restart the job.</p> <p>remark: When pressing start key.</p>
INF:35		User PIN code required at franking machine	<p>The FM has popped up a dialog to enter the user PIN code. Job execution will be blocked until the correct PIN code has been entered.</p> <p>remark: When pressing start key.</p>
INF:36		Department PIN code required at franking machine	<p>The FM job selected requires a department PIN code. INF does not support this feature. Job execution is blocked. Either the PIN code has to be removed or another FM job has to be selected.</p> <p>remark: When pressing start key.</p>









diagnostic- code	subcode1 subcode2	diagnostic message	remedy
INF:37		Wrong PIN code entered on franking machine	The user has entered the wrong PIN code and the FM will go into 'sleep' mode. Job execution is blocked. remark: When pressing start key.
INF:38		Unknown envelope detected	INF has detected a physical envelop at the wait position, but did not receive any data for it. The envelope (if any) has to be removed. remark: When pressing start key.
INF:39		Unknown envelope detected	INF has detected a physical envelop at the wait position, but was not notified about its arrival. The envelope (if any) has to be removed. remark: When pressing start key.
INF:4		More envelopes have been franked than sent by the inserter system	Possible presence of envelopes in FM from previous job, or envelopes manually put onto the FM during the job, so more envelopes have been franked than was foreseen by the INF. remark: During run.
INF:40		Auto clean on franking machine is finished	Notification from INF that the Auto Clean Cycle has been completed and the franking process will be resumed automatically. remark: When pressing start key.
INF:41		Auto clean on franking machine time out	Notification from INF that the Auto Clean Cycle takes more time than expected. Either the user wait until the FM has actually finished Auto Clean or the FM has to be switched off/ on. remark: When pressing start key.
INF:42		An internal error occurred which blocks job execution	For some reason the FM is busy and won't accept commands from INF. Possibly the FM was manually started by the user. Otherwise the FM has to be switched off/ on. remark: When pressing start key.
INF:43		The franking machine is in supervisor mode	An attempt is made to execute a job while the FM is in Supervisor mode. Exit Supervisor mode at the FM and try to start the job again. remark: When pressing start key.
INF:44		Franking machine not ready for franking interface	At the FM is currently a dialog being displayed as a result of an error (condition) that occurred while INF was not executing a job on the FM. Probably the FM was used stand alone. Inspect the FM UI and act upon it. remark: When pressing start key.








diagnostic- code	subcode1 subcode2	diagnostic message	remedy
INF:45		An internal error occurred which blocks job execution	Concerns incorrect set up of the option. The INF level is set to INF_LEVEL_NO_INF. Probably caused by incompatible software versions of Inserter and INF module. Internal error, not user solvable. remark: When pressing start key.
INF:46		An internal error occurred which blocks job execution	Concerns incorrect set up of the option. An attempt was made to set the franking mode to an invalid or no longer supported mode. As a result the current franking mode is retained. Probably caused by incompatible software versions of Inserter and INF module. remark: When pressing start key.
INF:47		An internal error occurred which blocks job execution	INF is busy and cannot accept any commands. An attempt was made to change settings while INF is busy. Internal error, not user solvable. Just try again later and ultimately switch off/on the whole system. remark: When pressing start key.
INF:48		ZIP zone required at franking machine	The FM has popped up a dialog to enter the ZIP Zone. Job execution will be blocked until a ZIP Zone has been entered. remark: When pressing start key.
INF:49		Franking machine job selected includes Dynamic batch mode	An attempt is made to start an FM job from the IN. The FM job includes <Dynamic Batch Mode> which is not supported when KEOPS is in <Inserter Mode>. This job is blocked by INF - either the user has to switch off <Dynamic Batch Mode> or has to select another job. remark: When pressing start key.
INF:5		Internal error on franking machine	At the FM an error has occurred that permanently blocks execution of the current run. The user has to look at the UI of the FM for more details. Best case, the job can be started again after resolving the problem. Worst case the FM has to be switched off/on. remark: During run or pressing start key.
INF:50		Sealing on advanced feeder of franking machine is selected	An attempt is made to start an FM job with sealing on AF selected. The user can only solve this by modifying the FM job (disable sealing) or modifying the IN job. remark: When pressing start key.
INF:51		Sealing on advanced feeder of franking machine is selected	An attempt is made to start an FM job with sealing on the MMF/AF selected. This can be overruled through the service menu setting. remark: It is recommended to seal through the inserter. This warning is generated when pressing the start key.









diagnostic- code	subcode1 subcode2	diagnostic message	remedy
INF:52		Manual clean of cartridge on franking machine failed	An attempt to force to clean the cartridge manually failed. Not user solvable! Just try again and pray... remark: When pressing start key.
INF:53		The franking value exceeded the 'High value threshold'	A job was started in which the franking value exceeded the 'High value' threshold. The user has to confirm this high value at the FM by either pressing 'OK' or 'ESCAPE'. The user has to confirm this high value at the FM by either pressing 'OK' or 'ESCAPE'. remark: When pressing start key.
INF:54		Franking machine stopped via escape key	The user has aborted the franking cycle by pressing 'ESCAPE' at the FM. The job will be aborted. remark: When pressing start key.
INF:55		FIFO Overflow	FIFO Overflow for PPC variable mode remark: When pressing start key.
INF:56		Weight exceeds limit	Check weight values in job settings remark: When pressing start key.
INF:57		Rate calculation	Rate calculation failure remark: When pressing start key.
INF:58		Envelope measures	Invalid envelope measure for PPC management remark: When pressing start key.
INF:59		No active rate table	No active rate table - probably Base only, activate rate table. remark: When pressing start key.







diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INF:6		Error or warning on franking machine		<p>At the FM an error has occurred that temporarily blocks execution of the current run. The user has to look at the UI of the FM for more details. After solving the problem, the run will be resumed automatically.</p> <p>remark: During run or pressing start key.</p>
INF:7		Communication failure with franking machine		<p>Due to some unsupported error (condition) the FM refuses to start. The user has to try to start the job from the IN again. If this fails the FM has to be switched on/ off.</p> <p>remark: When pressing start key.</p>
INF:8		Communication failure with franking machine		<p>INF received incorrect envelope data (unknown hopper or invalid hopper data). Remove any envelopes from the system and try to start the job again.</p> <p>remark: When pressing start key.</p>
INF:9		Communication failure with franking machine		<p>INF received incorrect envelope data (unknown thickness or invalid thickness data). Remove any envelopes from the system and try to start the job again.</p> <p>remark: When pressing start key.</p>
INS:1		Technical failure		<p>FRAM chip is not available</p> <p>remark: System error. This error is generated during starting up or operation of the machine.</p>
INS:10		Envelope too long		<p>Envelope separation adjustment, envelope type, envelope quality, envelope job settings, photocells dusty</p> <p>remark: This error is generated if a closed envelope is measured higher than 182 mm (162 mm + 20 mm tolerance) or if the envelope is measured higher than the adjusted envelope height plus 20 mm.</p>
INS:101		Cover open		<p>Cover open, cover switches defect or loose, envelope track sensors</p> <p>remark: This error is generated if during a run a cover is opened.</p>
INS:102		Cover open		<p>Cover open, cover switches defect or loose, envelope track sensors</p> <p>remark: This error is generated if during a run a cover is opened.</p>





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:103		Cover open		Cover open, cover switches defect or loose, envelope track sensors remark: This error is generated if during a run a cover is opened.
INS:104		Cover open		Cover open, cover switches defect or loose, envelope track sensors remark: This error is generated if during a run a cover is opened.
INS:105		Communication failure		SCS protocol problem, cables, connectors, pcbs remark: This error is generated if there is a SCS protocol problem.
INS:106		Illegal configuration		Incorrect software installed remark: This error is generated if the Inserter software does not match with the feeder/folder software.
INS:109		Envelope stoppage		Envelope lost in envelope track remark: This error is generated when the envelope goes under the flap opener.
INS:11		Document inserting failure		Insert fingers, envelope stop position, envelope job settings, document skewing, document, slippage, document feeding, envelop feeding remark: This error is generated if the insert cell is covered too long during inserting. Too long means longer than 400 mm (800 flanks).
INS:12		Document length failure		Insert fingers, envelope stop position, document job settings, document skewing, document slippage, document feeding remark: This error is generated if on two inserts directly after each other a length difference is measured of more than 42 mm (84 flanks). This means irregular inserting (slip on insert rollers?).
INS:13		Envelope stoppage at exit		Blockage at envelope exit, inserting failure, skewing, slippage, exit blockage remark: This error is generated if the exit detector is covered longer than 300 ms.






diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:14		Document too thin		Envelope separation adjustment, envelope type, envelope job settings, photocells dusty, slippage remark: This error is generated if the envelope flap is not opened.
INS:15		Envelope not open		Envelope exit path, slippage, envelope type, inserting failure, flap closer sensor remark: This error is generated if the envelope does not arrive within 400 mm (800 flanks) at the exit cell, after detecting the envelope by the closer switch.
INS:16		Envelope stoppage		Envelope separation adjustment, envelope type, envelope quality, envelope job settings, photocells dusty remark: This error is generated if a closed envelope is measured higher than 182 mm (162 mm + 20 mm tolerance) or if the envelope is measured higher than the adjusted envelope height plus 20 mm.
INS:17		Unexpected document		Document path not correctly cleared after previous error, slippage, inserting failures remark: This error is generated if a document arrives at the insert area at a not expected moment.
INS:18		Unexpected document		Document path not correctly cleared after previous error, slippage, inserting failures remark: This error is generated if the insert cell is covered at the moment a document is called.
INS:180		Update options failed		ID/Option memory defect remark: This error is generated if the addition of an option into the option memory fails, because the encrypted contents of the ID tag does not match what is expected.
INS:181		Option memory failure		Option memory defect or general hardware defect remark: This error is generated if the ID tag is not seen during power up. Reason can be that option wiring is not connected or that there is something wrong with the hardware.
INS:182		Option memory failure		ID memory empty, wiring defect, ID/Option memory defect remark: This error is generated if the ID tag could not be read, both the system ID or the options. Also when the system code is not valid (depends on the alphabet characters in the system ID). This error will occur every time the system is started, and the system can function without the options.





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:183		Invalid data in option memory/ ID tag		<p>The option data in the tag is not valid. It has a wrong checksum. The most likely cause of this failure is either an error in the hardware or the connection of a wrong/ uninitialized tag to a machine.</p> <p>remark: This error is generated if the entered license key (via supervisor menu) could not be recognized or translated into a valid option by the machine.</p>
INS:184		Serial number already present in ID tag		<p>Machine's software and identity are setup already</p> <p>remark: This error is generated if a machine is prepared in the factory and later on an attempt is made to prepare the machine again. Preparation (flashing and setting serial number) should only be done on pristine machines.</p>
INS:185		Invalid license key entered		<p>Invalid licence key, or licence key for other machine</p> <p>remark: This error is generated if the entered license key (via supervisor menu) could not be recognized or translated into a valid option by the system. This error can also be generated when the factory license key could not be recognized or translated to a set of valid options.</p>
INS:186		Illegal configuration		<p>Illegal configuration detected</p> <p>remark: This error is generated when the serial number in the ID-tag (99.45.04) does not match the serial number in the Fram of the main board. The machine is blocked from operating, because the counters in the Fram and the ID-tag (99.45.04) do not match. See Section 4.3.8 "Remove blockage".</p>
INS:19		Envelope stoppage		<p>Blocked envelope path, envelope separation adjustment, envelope type, envelope job settings, dusty photocells, slippage</p> <p>remark: This error is generated if the flap sensor is covered more than 690 flanks (approx. 345 mm).</p>
INS:2		Technical failure		<p>FRAM chip is not formatted</p> <p>remark: System error. This error is generated if the machine is started up (at least) the first time.</p>
INS:21		Thickness not measured		<p>Incorrect measurement area for DFC</p>





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:22		Envelope too short		<p>Incorrect envelope type, envelope job settings, photocell readjustment needed</p> <p>remark: This error is generated if the envelope is measured shorter than 75 mm. Also when envelope height is measured shorter than adjusted envelope height minus 20 mm.</p>
INS:23		Envelope closer failure		<p>Envelope path not cleared after previous jam, envelope closing sensor readjustment needed, dirty sealing track, insert failures</p> <p>remark: This error is generated if the closer cell is covered at the moment an envelope/document should leave the insert area.</p>
INS:24		Envelope closure failure		<p>Envelope closing path not cleared after previous jam, slippage, dirty sealing track, insert failures, skewing</p> <p>remark: This error is generated if the flap closer sensor is covered too long. Longer than the time that meets a document transport of 550 flanks (approx. 275 mm).</p>
INS:26		Envelope stoppage		<p>Blocked envelope path, slippage</p> <p>remark: This error is generated if the envelope or document transport from insert area to closer sensor would take too long. Longer than the time that meets 1200 flanks (approx. 600 mm).</p>
INS:27		Document stoppage		<p>Blocked document path, slippage</p> <p>remark: This error is generated if the called document does not arrive at the insert cell.</p>
INS:29		Insert area blocked		<p>Blocked document or envelope path after previous stoppage</p> <p>remark: This error is generated if a document covers the insert cell at the moment the system is started.</p>
INS:3		Technical failure		<p>FRAM chip contains old data structure</p> <p>remark: System error. This error is generated during starting up of the machine.</p>
INS:30		Empty envelope hopper		<p>Empty hopper, wrong envelope type, envelope width setting, envelope separation adjustment, envelope feeding angle</p> <p>remark: This error is generated if it takes longer than 15 seconds to detect an envelope at the env.tracksensor after the envelope track was started.</p>





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:35		Preventive maintenance needed		Total counter equal to Service Counter, Service counter incorrect remark: This error is generated if the next visit service counter value is reached. The message will appear at system start.
INS:36		Technical failure		SCS protocol problem remark: Check cables, connectors, PCB or software versions.
INS:37		Technical failure		Main motor defect, pulse disc defect, cables defect remark: System error. This error is generated if the pulse disk of the main power does not generate enough pulses or if the broadness of the pulses is irregular. The motor is too heavily loaded or the pulse disk is defect. For the boundaries, refer to the pulse disk test in the service menu.
INS:38		Technical failure		DFC not connected, DFC defect remark: This error is generated if the DFC is not detected.
INS:44		Technical failure		Envelope track sensor adjust error. Led current cannot be adjusted to have photocell voltage between 0.8 and 1.3 V. Dusty, incorrect positioning, incorrectly assembled. remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.
INS:45		Technical failure		Envelope flap sensor adjust error remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:46		Technical failure		<p>Insert sensor adjust error</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
INS:47		Technical failure		<p>Exit sensor adjust error</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
INS:48		Envelope track sensor error		<p>Too much voltage received by photocell. Current cannot be correctly adjusted (too low)</p> <p>remark: Overexposure receiver error. This error is generated if the involved photocell is too sensitive: during adjustment the LED current becomes too low (adjustment after 25 sheets). Lower limit is 5/ 256 x100%. After pressing the reset button, the following warning message appears: 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. Go back to the main menu.</p>
INS:49		Envelope flap sensor error		<p>Too much voltage received by photocell. Current cannot be correctly adjusted (too low)</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:4a-z		Technical failure		FRAM chip contains corrupt dat remark: System error. This error is generated during reading of a data block.
INS:5		Technical failure		Communications failure
INS:50		Insert sensor error		Too much voltage received by photocell. Current cannot be correctly adjusted (too low) remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.
INS:51		Exit sensor error		Too much voltage received by photocell. Current cannot be correctly adjusted (too low) remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.
INS:52		Technical failure		LED current adjusted too low. Envelope track sensor adjust error remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.







diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:53		Technical failure		Envelope flap sensor adjust error. LED current adjusted too low. Envelope track sensor adjust error remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.
INS:54		Technical failure		Insert sensor adjust error. LED current adjusted too low. Envelope track sensor adjust error remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.
INS:55		Technical failure		Exit sensor adjust error. LED current adjusted too low. Envelope track sensor adjust error remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.
INS:56		Technical failure		Envelope track sensor defective. Photocell, cables or connectors defect. remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.










diagnostic- code	subcode1 subcode2	diagnostic message	remedy
INS:57		Technical failure	 <p>Envelope flap sensor defective. Photocell, cables or connectors defect.</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
INS:58		Technical failure	 <p>Insert sensor defective. Photocell, cables or connectors defect.</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
INS:59		Technical failure	 <p>Exit sensor defective. Photocell, cables or connectors defect.</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
INS:6		Technical failure	 <p>Communications failure</p>









diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:60		Envelope track sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in de receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
INS:61		Envelope flap sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in de receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
INS:62		Insert sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in de receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
INS:63		Exit sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in de receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:64		Envelope track sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor: The involved photocell values are reset. <p>Go back to the main menu.</p>
INS:65		Envelope flap sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor: The involved photocell values are reset. <p>Go back to the main menu.</p>
INS:66		Insert sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor: The involved photocell values are reset. <p>Go back to the main menu.</p>
INS:67		Exit sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor: The involved photocell values are reset. <p>Go back to the main menu.</p>





diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:68		Closer sensor error		<p>Too much voltage received by photocell. Current cannot be correctly adjusted (too low)</p> <p>remark: Overexposure receiver error. This error is generated if the involved photocell is too sensitive: during adjustment the LED current becomes too low (adjustment after 25 sheets). Lower limit is 5/ 256 x100%. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
INS:69		Technical failure		<p>Closer sensor adjust error. LED current adjusted too low.</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
INS:70		Technical failure		<p>Closer sensor defective. Photocell, cables or connectors defect.</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
INS:71		Closer sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in de receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>







diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:72		Closer sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor: The involved photocell values are reset. <p>Go back to the main menu.</p>
INS:73		Technical failure		<p>Closer sensor adjust error. Led current cannot be adjusted to have photocell voltage between 0.8 and 1.3 V. Dusty, incorrect positioning, incorrectly assembled.</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
INS:80		Technical failure		<p>SCS/I2C protocol problem, cables, connectors, pcbs</p> <p>remark: System error. This error is generated if something is wrong with the SCS/ I2C.</p>
INS:81		Technical failure		<p>SCS/I2C protocol problem, cables, connectors, pcbs</p> <p>remark: System error. This error is generated if something is wrong with the SCS/ I2C.</p>
INS:82		Technical failure		<p>SCS/I2C protocol problem, cables, connectors, pcbs</p> <p>remark: System error. This error is generated if something is wrong with the SCS/ I2C.</p>
INS:83		Technical failure		<p>SCS/I2C protocol problem, cables, connectors, pcbs</p> <p>remark: System error. This error is generated if something is wrong with the SCS/ I2C.</p>







diagnostic- code	subcode1 subcode2	diagnostic message		remedy
INS:84		Technical failure		SCS/I2C protocol problem, cables, connectors, pcbs remark: System error. This error is generated if something is wrong with the SCS/ I2C.
INS:85		Technical failure		SCS/I2C protocol problem, cables, connectors, pcbs remark: System error. This error is generated if something is wrong with the SCS/ I2C.
INS:86		Technical failure		SCS/I2C protocol problem, cables, connectors, pcbs remark: System error. This error is generated if something is wrong with the SCS/ I2C.
INS:87		Technical failure		SCS/I2C protocol problem, cables, connectors, pcbs remark: System error. This error is generated if something is wrong with the SCS/ I2C.
INS:88		Technical failure		SCS/I2C protocol problem, cables, connectors, pcbs remark: System error. This error is generated if something is wrong with the SCS/ I2C.
INS:89		Technical failure		SCS/I2C protocol problem, cables, connectors, pcbs remark: System error. This error is generated if something is wrong with the SCS/ I2C.
INS:95		Sealing risk		Sealing risk remark:
VT:10		Document transport failure		Document path blockage, slippage, vertical track photocells dusty remark: This error is generated if the document does not arrive in time at the collator entry cell (if transport time between leaving feeder and arriving at folder entry exceeds 700 mm (750 pulses).
VT:101		Technical failure		Incorrect dongle installed, dongle contents cannot be read remark: OMR error. This error is generated if the dongle checksum is incorrect or if the serial number check is incorrect. This error is not generated when a valid OMR dongle is removed or when an invalid dongle is placed.





diagnostic- code	subcode1 subcode2	diagnostic message	remedy
VT:102		Technical failure	 <p>Reading head dirty, LED defect, photocell defect, cables defect</p> <p>remark: OMR error. This error is generated if the LED in the reading head is defect.</p>
VT:11		Document transport failure	 <p>Document type, document path blockage, photocells dusty, photocells defect</p> <p>remark: This error is generated if the collator entry cell is covered too long. Possible causes: too stiff material, collator blocked.</p>
VT:112		Wrong reading window position	 <p>Incorrect RD job settings</p> <p>remark: OMR error. This error is generated when the reading window is behind the end of the paper.</p>
VT:113		Reading stop	 <p>Stop mark read</p> <p>remark: OMR error. Remove the set and press <reset>. A complete set is on the collator and must be handled manually. This error is not generated in the FPI 2000-2.</p>
VT:114		Suspected set	 <p>Incomplete sets collected after reading error</p> <p>remark: OMR error. This error is generated after an earlier appeared reading error. The paper run commend insert is read. The earlier appeared reading error probably occurred halfway a set, because of which that set and the next one are incomplete.</p>
VT:116		Reading stop	 <p>Divert mark read</p> <p>remark: OMR error. Remove the set and press <reset>. A complete set is on the collator and must be handled manually. This error is not generated in the FPI 2000-2.</p>
VT:12		Document transport failure	 <p>Document set missing from collator, photocells readjustments needed, photocells defect</p> <p>remark: This error is generated if no documents arrive at the folder entry cell. Possible causes: paper crash or the operator pressed STOP, removed the set from the collator and pressed <START>.</p>
VT:120		Reading error	 <p>Less marks read than expected</p> <p>remark: OMR error. This error is generated if less reading code stripes are seen, than possible with the chosen reading code. The set can - but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows.</p>





diagnostic- code	subcode1 subcode2	diagnostic message	remedy
VT:121		Reading error	 <p>More than 1 basic command (accumulate/ insert/ divert/ stop mark) read</p> <p>remark: OMR error. This error is generated if more paper running assignments are readable in the bar code. The set can - but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows. This error does not show for the FPI 2000-2.</p>
VT:122		Reading error	 <p>No basic command (accumulate/ insert/ divert/ stop/ start/ safety mark) read</p> <p>remark: OMR error. This error is generated if no barcode line that indicates the paper run (accumulate/ insert/ divert/ stop mark) is found. Start and safety mark included. The set can - but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows.</p>
VT:123		Reading error	 <p>Matching varies within the set</p> <p>remark: OMR error. This error is generated if one sheet within a set has another match number (only with Flex code). The set can - but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows. This error does not show for the FPI 2000-2.</p>
VT:124		Reading error	 <p>Sequence number of document does not match with previous document</p> <p>remark: OMR error. This error is generated if the order, as guarded by the sequence numbering of the documents, is no longer correct. The set can -but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows. This error does not show for the FPI 2000-2.</p>





diagnostic- code	subcode1 subcode2	diagnostic message	remedy
VT:125		Reading error	 <p>Matching number of set is not correct (related to previous set)</p> <p>remark: OMR error. This error is generated if the match number of the previous set does not join in with the match number of the current one (only with Flex code). The set can - but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows. This error does not show for the FPi 2000-2.</p>
VT:126		Reading error	 <p>Parity of the marks read is not correct. Reading window incorrect? RD marks incorrect. Check RD settings.</p> <p>remark: OMR error. This error is generated if the parity of a read barcode is incorrect. The set can -but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows.</p>
VT:127		Reading error	 <p>A mark is read at an illegal position</p> <p>remark: OMR error. This error code is generated when a barcode line is read that can not be in that particular position (too many lines or inconsistent with other lines). The set can - but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows.</p>
VT:128		Reading error	 <p>Incorrect marks read, RD job settings, slippage, reading head adjustments needed</p> <p>remark: OMR error. This error is generated if the position of a barcode line is moved that far, that it is arrived in the so called forbidden zone. (The forbidden zone is an area halfway two lines, that is defined as a percentage of the line distance.) The set can - but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows.</p>

diagnostic- code	subcode1 subcode2	diagnostic message		remedy
VT:129		Reading error		<p>Incorrect marks read, RD job settings, reading window too long</p> <p>remark: OMR error. This error is generated if more barcode lines are present than allowed for the used barcode (only for OMR level 0). The set can - but does not need to - be taken out of the collator. After a restart, the rest of the set is finished, after which error VT:114 shows.</p>
VT:134		Too many documents		<p>Set size exceeds maximum number from RD job settings, incorrect marks read</p> <p>remark: OMR error. Remove the set and press <RESET>. To subsequently restart the system, press <START>. During collating through reading, a set should always be completed. However, a maximum set size is indicated in the OMR setting menu (attachments are included). When this maximum size is reached, the collating stops and this error is generated. This does not happen during overlapping supply from the feeders.</p>
VT:135		Final set part		<p>Incorrect marks read, RD job settings</p> <p>remark: OMR error. This error is generated if the remains of the set (until the insert sign) are collated after removing an incomplete set and pressing <RESET> and <START> for error VT:134. If, subsequently, again the maximum amount of sheets in a set is exceeded, error VT:134 is generated again.</p>
VT:137		Reading error		<p>No safety mark read</p> <p>remark: OMR error. This error is generated when a safety mark is not read. The set may be removed from the collator. Pressing <RESET> and <START> will result in error VT:134 Suspected set.</p>
VT:138		Reading error		<p>Group start mark error</p> <p>remark: OMR error. This error is generated when a group start mark is not read. The set may be removed from the collator. Pressing <RESET> and <START> will result in error VT:134 Suspected set.</p>
VT:139		Reading error		<p>Group end mark error</p> <p>remark: OMR error. This error is generated when a group end mark is not read. The set may be removed from the collator. Pressing <RESET> and <START> will result in error VT:134 Suspected set.</p>

diagnostic- code	subcode1 subcode2	diagnostic message		remedy
VT:14		Unexpected document at collator		Collator not cleared after previous emergency stop remark: During initialisation of the collator a set (part) is seen under the folder entry cell. The collator is initialised after fatal feeder errors, after collator errors and after a change of job.
VT:16		Collator stop reference detection failed		Zero position sensor failure, rack broke or collator stop motor failure remark: During initialisation of paper stop detection the sensor for detecting zero position could not detect the zero position. Cause: zero position sensor failure, rack broke or collator stop motor failure.
VT:17		Collator stop detection failed		Stop position sensor failure, rack broke or collator stop motor failure remark: During initialisation of paper stop detection the sensor for detecting paper stop position could not detect the zero position. Cause: stop position sensor failure, rack broke or collator stop motor failure.
VT:20		Unexpected documents in system		System not cleared after job change remark: This error is generated if documents are still in the system after a change of jobs. This can be prevented by ending a job with emptying the system, before changing jobs.
VT:21		Empty feeders		Empty feeders, wrong document type, document width setting, manual document separation adjustment remark: This error is generated if all feeders are empty during the "Fill&Start" scanning session.
VT:61		Technical failure		Led current cannot be adjusted to have photocell voltage between 0.8 and 1.3 V. Dusty, incorrect positioning, incorrectly assembled remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.

diagnostic- code	subcode1 subcode2	diagnostic message		remedy
VT:62		Vertical track sensor error		<p>Too much voltage received by photocell. Current cannot be correctly adjusted (too low)</p> <p>remark: Overexposure receiver error. This error is generated if the involved photocell is too sensitive: during adjustment the LED current becomes too low (adjustment after 25 sheets). Lower limit is 5/ 256 x100%. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
VT:63		Technical failure		<p>LED current adjusted too low</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
VT:64		Technical failure		<p>Photocell, cables or connectors defect</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
VT:65		Vertical track sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in de receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>

diagnostic- code	subcode1 subcode2	diagnostic message		remedy
VT:66		Vertical track sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>
VT:70		Technical failure		<p>Blockage of collator, collator pulse disc defect, collator motor defect</p> <p>remark: This error is generated if the DC motor of the collator is not running while it is supposed to. The error is shown when there are no pulses detected for 100 msec. This can be caused by: - a mechanical blockade as a result of which the motor is running roughly. - not properly functioning of the pulse disk of the collator. - a defect to the electric drive of the collator motor. - a defect motor.</p>
VT:71		Technical failure		<p>Led current cannot be adjusted to have photocell voltage between 0.8 and 1.3 V. Dusty, incorrect positioning, incorrectly assembled</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. Transmitter power is too high and receiver power is smaller than 0.8 V (e.g. contamination, not correctly connected, not correctly aligned). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
VT:72		Collator entry sensor error		<p>Too much voltage received by photocell. Current cannot be correctly adjusted (too low)</p> <p>remark: Overexposure receiver error. This error is generated if the involved photocell is too sensitive: during adjustment the LED current becomes too low (adjustment after 25 sheets). Lower limit is 5/ 256 x100%. After pressing the reset button, the following warning message appears:</p> <ol style="list-style-type: none"> 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. <p>Go back to the main menu.</p>

diagnostic- code	subcode1 subcode2	diagnostic message		remedy
VT:73		Technical failure		<p>LED current adjusted too low</p> <p>remark: Photocell adjust error. This error is generated if the involved photocell can not be adjusted correctly. The DAC current is too low (<5/256 X100%). Only when the system is started the first time or when the system is adjusted again after a dusty error. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
VT:74		Technical failure		<p>Photocell, cables or connectors defect</p> <p>remark: Power up photocell detection error. This error is generated if no LED current is detected in the involved photocell (LED incorrect or not connected) during powering up the system. After a reset, the error message disappears. If the particular photocell is not needed for the selected job, the job can still be carried out. If the photocell is needed or if a new job is selected, the error appears again as soon as the start button is pressed or a test run is performed.</p>
VT:75		Collator entry sensor error		<p>Voltage received by the photocell is too high due to dust fall off</p> <p>remark: Dust error. This error is generated if the voltage in the involved photocell receiver suddenly increases significantly (e.g. by dust that falls off). Danger arises that the voltage in the receiver (> 1.5 V) stays too high when paper is present. After pressing the reset button, the following warning message appears: 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. Go back to the main menu.</p>
VT:76		Collator entry sensor dusty		<p>Low voltage received by the photocell (dusty)</p> <p>remark: Dust error. This error is generated if the DAC current becomes too high during operation. You are warned if the DAC current increases and the sensor power decreases (< 0.8 V). This error is generated each 25 docs. After pressing the reset button, the following warning message appears: 1. Remove paper at sensor position 2. Clean sensor with bellow or brush 3. Press OK to reset sensor SK4: The involved photocell values are reset. Go back to the main menu.</p>

