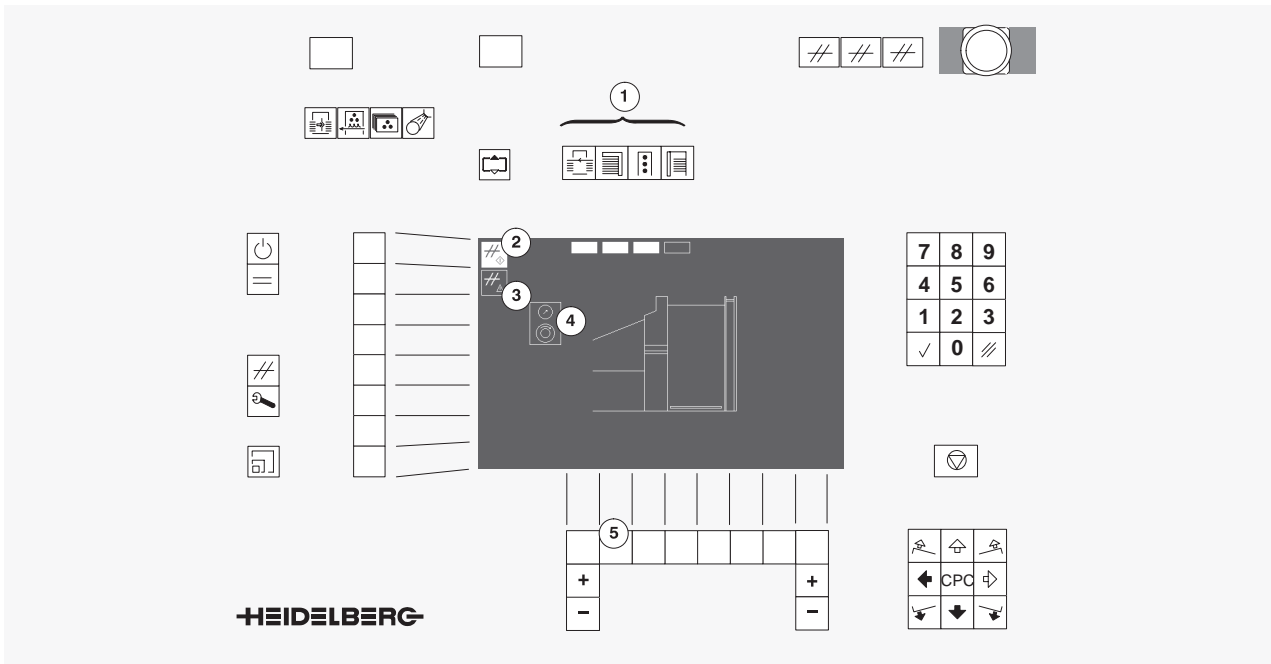


## Fault displays in the ZID

### Operator guidance

#### Overview

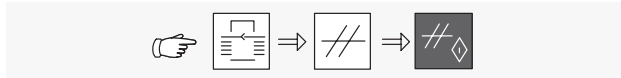


Example "Feeder" – "Press not ready to run"

- ① **Location of fault**  
 "Entire press", "Delivery", "Printing unit",  
 "Feeder".
- ② **"Press not ready to run"**  
 The signal lamp (red) "Fault press" is lit.  
 The present fault prevents the press from  
 going on "Run".
- ③ **"Warning"**  
 The signal lamp (yellow) "Fault production run"  
 is lit.  
 The present fault can result in the press going  
 "off impression".
- ④ **Cause of the fault (example)**  
 "Emergency stop" button at feeder actuated.
- ⑤ **Display of all fault symbols**  
 Selection with the 2nd function button

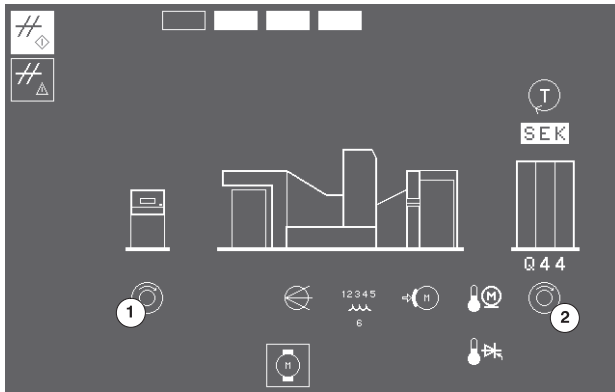
## Entire press

### "Press not ready to run"










Display of indicated malfunction after actuation of the buttons.


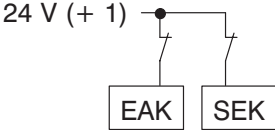
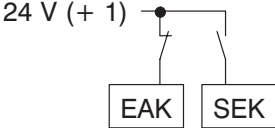


Button sequence



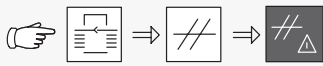
"Entire press" – "Press not ready to run"

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>"Emergency stop" button</b></p> <p>The button 13S163 on the central control console is locked.</p>		●	●	●	●
	<p><b>Insufficient pressure</b></p> <p>The air pressure has not reached 8.0 bars since start-up or drops below 6.0 bars during operation.</p> <ul style="list-style-type: none"> <li>▪ Pressure switch F 45 actuated in the:                             <ul style="list-style-type: none"> <li>– pneumatic system compressor E 4 (on presses with up to 2 PUs + coating)</li> <li>– compressor with compressed air dryer E 4</li> <li>– varnish supply unit compressor E 4a</li> <li>– pneumatic system compressor M4.</li> </ul> </li> <li>▪ The pressure sensor "Pneumatics" 15B14 has responded.</li> </ul>	Also displayed in the production run display	●	●	●	●
	<p><b>Acknowledge monitoring of main motor brushes</b></p> <p>Switch S5 in the d.c. shunt motor M1 is actuated. Brush monitoring can be acknowledged by pressing the button allocated to the symbol. The press is again ready for operation. Acknowledgement is only necessary after turning on the main switch.</p>			●	●	●

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Not enough water/varnish</b></p> <ul style="list-style-type: none"> <li>– The dampening solution sensor nB32 in the water trough has responded.</li> <li>– The varnish sensor L-B32 in the varnish trough has responded.</li> </ul>	Also displayed in the production run display	•	•	•	•
	<p><b>Monitoring the main motor brake</b></p> <p>The brake test is carried out after actuating the button "Run", during the start-up warning. If the brake is applied and the motor turns: 0 – 4 degrees → no fault message 4 – 8 degrees → warning &gt; 8 degrees → fault</p>		•	•	•	•
	<p><b>Monitoring the temperature of main motor M1</b></p> <p>The main motor M1 has reached a temperature of approx. 160°C.</p>		•	•	•	•
	<p><b>Monitoring the temperature of the brushless power part BLT</b></p> <p>The heat sink unit KVT of the brushless power part has reached a temperature of approx. 85°C. (Symbol depends on the type of construction of the main motor).</p>	On SM74 with up to 4 PUs	•	•		
	<p><b>Temperature monitoring, converter power part SLT</b></p> <p>The power bridge module (SBM1/SBM2) of the converter power part has reached a temperature of approx. 110°C. (Symbol depends on the type of construction of the main motor).</p>	On SM74 with 5 or more PUs		•	•	•
	<p><b>Error detection, dynamic test</b></p> <p>The electronic control system detects faults on the electronic boards. In the service display under Service 1 "Dynamic test" this error message flashes and is stored.</p>		•	•	•	•
	<p><b>Emergency stop signal</b></p> <ul style="list-style-type: none"> <li>– The "Emergency stop" button of a peripheral connected to the interface adapter is locked.</li> <li>– The plug-on control board RSK 120 on the rectifier module GRM120 outputs an emergency stop signal.</li> </ul>	Input 34 on EAK 15	•	•	•	•

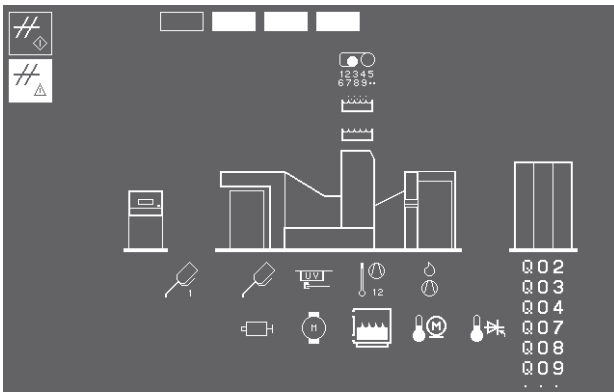
Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Safety input board SEK detects malfunction</b></p> <p>The press cannot be put into operation. The symbol appears if:</p> <ul style="list-style-type: none"> <li>– the emergency stop input leading to the SEK is absent or interrupted;</li> <li>– the emergency stop input leading to the EAK is shorted;</li> <li>– the input of a safety-relevant protective device which leads to the EAK is shorted (e.g. glass guard).</li> </ul> <p>In the press displays MID at the feeder and delivery the position code 15 for the central control cabinet appears in addition. In the service display under Service 1 "Present input/output" the malfunction is indicated by the circuit states "Inputs SEK".</p> <p>Emergency stop inputs (OK condition)</p>  <p>Inputs of safety-relevant protective devices (OK condition)</p> 		●	●	●	●
	<p><b>Forward feed of washing cloth</b></p> <p>In the displayed PU the washing cloth is advanced although the motor nM13 does not turn. It is possible that the washing cloth got caught between the cylinders and is drawn in (monitored by nB42).</p>		●			
	<p><b>Fault acknowledgement, forward feed of washing cloth</b></p> <p>After elimination of the fault, the fault must be acknowledged.</p>		●			

”Warning”













Display of indicated malfunction after actuation of the buttons.







Button sequence



”Entire press” – ”Warning”

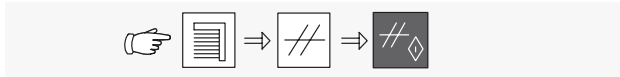
Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Oil lubrication not possible</b></p> <ul style="list-style-type: none"> <li>– The press does not yet run at 3000 i.p.h.</li> <li>– The oil pressure is below 1 bar / 12 bars.</li> <li>– The pressure switch 1F34 has not yet registered a pressure of 12 bars.</li> <li>– The pressure switch 1F33 has not yet registered a pressure of 1 bar.</li> </ul>			•	•	•
	<p><b>Oil level sheet turner hydraulics</b></p> <ul style="list-style-type: none"> <li>– The sensor ”Oil level sheet turner hydraulics” 2B40 has detected the piston of the pressure intensifier.</li> </ul>		•	•	•	
	<p><b>Grease lubrication not possible</b></p> <ul style="list-style-type: none"> <li>– The chain or bearing lubrication has not occurred in the high-pile delivery.</li> <li>– Grease lubrication has not occurred.</li> </ul>		•	•	•	•

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Gripper bars in radiator area</b></p> <p>During press standstill, the gripper bars are in the radiator area. A warning signal sounds at one-second intervals. If the gripper bars stay in this area for more than one minute, the electronic control system shuts down the UV dryer via the interface adapter. The symbol also goes off when the gripper bars are removed from the radiator area (e.g. in inching mode).</p>	Also displayed in the production run display		●	●	●
	<p><b>Monitoring the main motor brushes</b></p> <p>Switch S5 in the d.c. shunt motor M1 is actuated. The brush length has fallen below a certain value. The carbon brushes should be replaced as soon as possible.</p>			●	●	●
	<p><b>Thermal cutout 1 central air supply</b></p> <p>Thermal cutout F43 of central air supply E8 actuated. The motor M21 is overheated.</p>				●	●
	<p><b>Fault in central dampening solution supply</b></p> <p>The symbol changes depending on the type of fault that occurred.</p>			●	●	●
	<p><b>Lack of oil – feeder/delivery compressor</b></p> <p>Switch "Oil monitoring" S3 actuated in compressor M2. The minimum oil level has been reached.</p>	Not with central air supply			●	●
	<p><b>Monitoring the temperature of main motor M1</b></p> <p>The main motor M1 has reached a temperature of approx. 140°C (d.c. shunt motor) or approx. 150°C (brushless main motor).</p>		●	●	●	●
	<p><b>Monitoring the temperature of the brushless power part BLT</b></p> <p>The heat sink unit KVT of the brushless power part has reached a temperature of approx. 80°C. (Symbol depends on the type of construction of the main motor).</p>	On SM74 with up to 4 PUs	●	●		

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Temperature monitoring, converter power part SLT</b></p> <p>The power bridge module (SBM1/SBM2) of the converter power part has reached the temperature listed below.</p> <p>SLT 80 A central control cabinet 1550 mm → 88°C                      SLT 80 A central control cabinet 1800 mm → 82°C                      SLT 160 A central control cabinet 1800 mm → 92°C                      SLT 220 A central control cabinet 1800 mm → 98°C                      (Symbol depends on the type of construction of the main motor).</p>	On SM74 with 5 or more PUs		●	●	●
	<p><b>Motor overload switch/earth-leakage monitor</b></p> <p>In the central control cabinet the displayed motor overload switch or earth-leakage monitor F60 has tripped.</p>		●	●	●	●
	<p><b>Monitoring the washing cloth</b></p> <p>Sensor nB42 actuated.                      The washing cloth is either used up and must be changed or the entire unit for the washup device does not exist in the displayed printing units.</p>	Also displayed in the production run display	●	●		
	<p><b>Not enough washup solution</b></p> <p>Sensor "Monitoring washup solution" actuated:                      B54 blanket washup device,                      B55 inking roller washup device.</p>	Also displayed in the production run display	●	●	●	●
	<p><b>Not enough water</b></p> <p>Sensor B1 "Monitoring water" actuated.</p>	Also displayed in the production run display	●	●	●	●
	<p><b>Insufficient pressure in the container</b></p> <p>At an air pressure <math>\leq 0.48</math> bars the pressure switch F70 responds. In the control console display ZID both symbols appear: "Not enough washup solution" and "Not enough water".</p>	Also displayed in the production run display	●	●	●	●

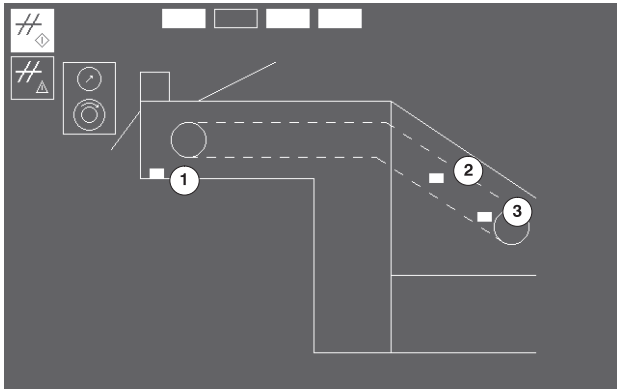
## Delivery

### "Press not ready to run"










Display of indicated malfunction after actuation of the buttons.

Button sequence

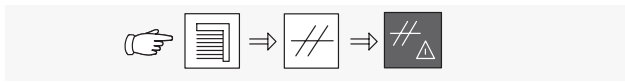


"Delivery" – "Press not ready to run"

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
 1	<b>Overshooting control</b> Position switch 12S38 actuated. The sheets are placed incorrectly on the pile.		•	•	•	•
 2	<b>Monitoring the IR slide-in dryer</b> Position switch 12S9 (12S9a, b, c with extended delivery) actuated. The slide-in dryer is not in its correct installation position.		•	•	•	•
 3	<b>Monitoring the blower tube</b> Position switch 12S43 actuated. The blower tube is not in one of the two end positions.				•	•
	<b>Guard "Gripper bars"</b> The guard above the gripper bars/delivery fans is swung up. – Position switch 12S40 actuated. – Position switch 12S40 and/or 12S40a actuated (high-pile delivery). With extended delivery, 12S40b and 12S40c are actuated additionally.			•	•	•

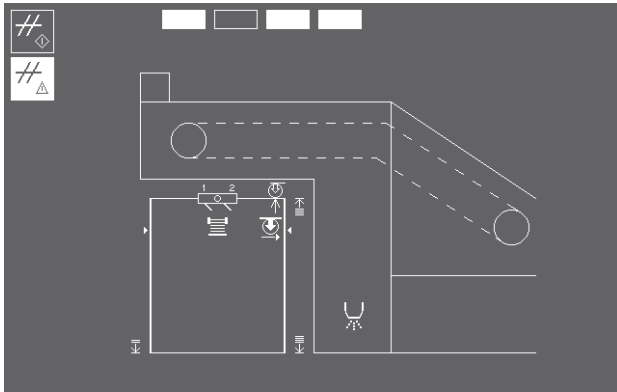
Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<b>Glass guard "Delivery"</b> Position switch 12S44 actuated. Swung-up guard behind the delivery pile.		•	•	•	•
	<b>Selector switch/illuminated pushbutton "Safe"</b> Switch 12S4 locked on the operating panel of the delivery.		•	•	•	•
	<b>"Emergency stop" button</b> Button 12S1 locked on the operating panel of the delivery.		•	•	•	•

”Warning”










Display of indicated malfunction after actuation of the buttons.

Button sequence



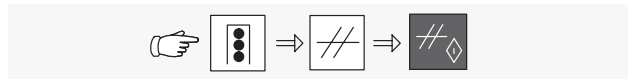
”Delivery” – ”Warning”

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Position switch ”Sheet jogger” actuated</b></p> <p>1 – Position switch 12S35 ”Sheet jogger O.S.” (M7) actuated.                      2 – Position switch 12S36 ”Sheet jogger D.S.” (M6) actuated.                      The position of the displayed sheet jogger does not comply with the sheet size on the pile.</p>				●	●
	<p><b>Monitoring the sheet slowdown position</b></p> <p>Position switch 12S39 actuated.                      The position of the sheet slowdown 12M3 does not comply with the sheet size on the pile. The pile moving up actuates the switch.</p>			●	●	●
	<p><b>Format adjustment of sheet slowdown</b></p> <p>The symbol appears:                      – when the lower adjustment limit is reached during automatic positioning.</p>				●	●

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Lower auxiliary pile limitation</b></p> <p>Position switch 12S56 actuated. The auxiliary pile is at the lower stop.</p>				•	•
	<p><b>Format adjustment of sheet jogger D.S.</b></p> <p>The symbol appears while the press is on "Run" and the motor 12M6 positions.</p>				•	•
	<p><b>Format adjustment of sheet jogger O.S.</b></p> <p>The symbol appears while the press is on "Run" and the motor 12M7 positions.</p>				•	•
	<p><b>Upper main pile limitation</b></p> <p>The main pile is at the upper stop.</p> <ul style="list-style-type: none"> <li>– Position switch 12S33 actuated.</li> <li>– Position switch 12S131 actuated.</li> </ul>		•	•	•	•
	<p><b>Lower main pile limitation/safety rail</b></p> <ul style="list-style-type: none"> <li>– Position switch 12S34 "Lower main pile limitation" actuated. The main pile is at the lower stop.</li> <li>– Position switch 12S34a/12S34b "Safety rail" actuated (only on elevated presses).</li> </ul>		•	•	•	•
	<p><b>Malfunction in powder spray device</b></p> <ul style="list-style-type: none"> <li>– Powder spray device with serial interface: the symbol changes depending on the type of fault (see documentation on powder spray device).</li> </ul>		•	•	•	•
	<p><b>Pile support plate not lowered completely</b></p> <p>The symbol flashes: no automatic positioning of</p> <ul style="list-style-type: none"> <li>– the sheet slowdown,</li> <li>– the sheet joggers D.S. and O.S.,</li> </ul> <p>because of danger of collision with the pile support plate.</p> <p>The symbol does not appear if the position switch 12S34 "Lower main pile limitation" is actuated. The pile support plate has been lowered completely.</p>				•	•

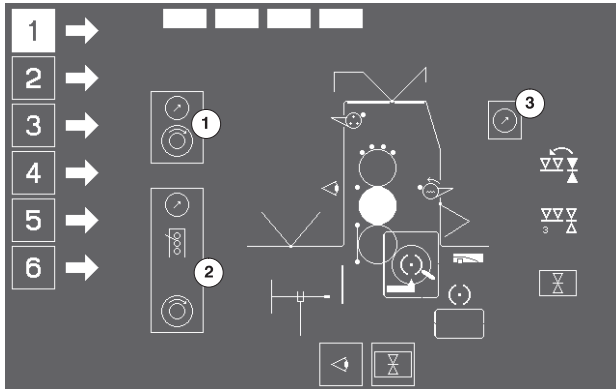
## Printing unit

### "Press not ready to run"



Button sequence










Display of indicated malfunction after actuation of the buttons.
















- ① Operating panel at printing unit D.S., compact control console
- ② Operating panel at printing unit O.S.
- ③ Operating panel at printing unit/dampening system O.S.

"Printing unit" – "Press not ready to run"

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<b>Location of fault</b>		•	•	•	•
	<b>"Emergency stop" button</b> Button nS1 or nS2 locked on the operating panel of the printing unit or on the compact control console.		•	•	•	•
	<b>Selector switch/illuminated pushbutton "Safe"</b> Switch nS4 (O.S.) or nS7 (D.S.) locked on operating panel of printing unit, on operating panel of printing unit/dampening system or on compact control console.		•	•	•	•
	<b>Selector switch/pushbutton "Adjusting the dampening rollers"</b> Switch nS21 locked on the operating panel of the printing unit/dampening system.		•	•	•	•
	<b>Illuminated pushbutton "Plate mounting"</b> Button nS59 actuated. Plate clamping is carried out.		•	•	•	•
	<b>Changeover from perfecting to straight printing</b> When the sheet size is entered, the symbol appears if a fault has occurred at the claw.	Perfector presses only, not on 1st PU	•	•	•	

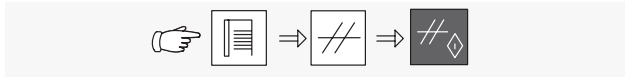
Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>"Claw, format adjustment"</b></p> <p>The symbol appears if the claw does not swing down, does not return to its initial position or if the sensor 1B18 is defective.</p>	Only on perfector presses	●	●	●	
	<p><b>"Clamping mechanism storage drum" (35 bars)</b></p> <p>The symbol appears if the clamping mechanism of the storage drum does not open after being activated, if it closes during the changeover or sheet-length change or if the sensor "Hydraulics 35 bars" 2B33 is defective.</p>	Only on perfector presses	●	●	●	
	<p><b>"Monitoring the interaction reversing drum/storage drum" (2B38, 2B64)</b></p> <p>The symbol appears if the claw returns to its initial position during the changeover or sheet-length change or if clamping mechanisms are open although the crank handle is not engaged.</p>	Only on perfector presses	●	●	●	
	<p><b>"Clamping mechanisms storage drum/reversing drum" (87 bars)</b></p> <p>The symbol appears if the clamping mechanisms of the reversing and storage drums do not open after being activated or if the sensor "Hydraulics 87 bars" 2B34 is defective.</p>	Only on perfector presses	●	●	●	
	<p><b>Door "Sheet turning device" open</b></p> <p>The symbol appears if the door of the sheet turning device is open; monitored by nS62 (on presses with 2 or more PUs).</p>	Only on perfector presses		●		
	<p><b>Door "Missing sheets" open</b></p> <p>The symbol appears if the door for the removal of missing sheets is opened; monitored by 1S61.</p>	Only on perfector presses	●	●		
	<p><b>Crank handle</b></p> <p>Position switch nS31 actuated. The crank handle is engaged. The brake of the main motor M1 is released.</p>	Not on the 1st printing unit	●	●	●	●
	<p><b>Sheet loss during sheet turnaround</b></p> <ul style="list-style-type: none"> <li>– The sensor of the perfecting control nB13 detects the missing sheet at the open grippers of the reversing drum.</li> <li>– The position switch nS19 registers the premature pressure drop at the sucker bar of the storage drum.</li> </ul>	Only on perfector presses	●	●	●	
	<p><b>Acknowledge the loss of a sheet</b></p> <p>The sensor of the perfecting control/position switch nB13/nS19 has detected a sheet loss. The sheet lost during sheet turnaround must be acknowledged. Press the button allocated to the symbol.</p>	Only on perfector presses	●	●	●	

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Initialization sheet turning device</b></p> <p>Internal comparison between variant code and memory contents.</p>		●	●	●	●
	<p><b>Cylinder guard "Printing unit"/guard "Numbering shaft"</b></p> <ul style="list-style-type: none"> <li>– Position switch nS37 – cylinder guard between printing units or in front of blanket washup device – actuated.</li> <li>– Position switch L-S37 – cylinder guard between printing unit and coating unit – actuated.</li> <li>– Position switches 12S37 and 12S37a (with extended delivery only) – cylinder guard between printing unit/coating unit/numbering unit and delivery – actuated.</li> <li>– Position switch 12S37 – cylinder guard between printing unit and delivery – actuated.</li> <li>– Position switch 12S37 – guard "Numbering shaft"/"Guard of numbering device" actuated.</li> </ul>		●	●	●	●
	<p><b>Guard "Plate cylinder/coating blanket cylinder" or guard "Inking unit"</b></p> <ul style="list-style-type: none"> <li>▪ Position switch nS28 actuated.</li> <li>– Swung-up guard in front of plate and blanket cylinders.</li> <li>▪ Position switch L-S28 actuated.</li> <li>– Swung-up guard in front of coating blanket cylinder.</li> <li>▪ Position switch nS63 actuated.</li> <li>– Swung-up guard in front of inking unit.</li> </ul>		●	●	●	●
	<p><b>Guard "Dampening rollers" or guard "Washup device"</b></p> <ul style="list-style-type: none"> <li>▪ Position switch nS29 actuated.</li> <li>– Swung-up guard in front of dampening/inking rollers or coating pan roller.</li> <li>▪ Position switch L-S29 actuated.</li> <li>– Swung-up guard in front of coating pan roller.</li> <li>▪ Position switch nS46 actuated.</li> <li>– Swung-down guard in front of washup device for blanket and impression cylinder.</li> </ul>		●	●	●	●
	<p><b>Guard "Front lays/transfer gripper drum"</b></p> <p>Position switch 1S40 (D.S.) or 1S40a (O.S.) actuated. Swung-up guard above the transfer gripper drum.</p>	Only on the 1st printing unit	●	●	●	●

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<b>Guard "Impression cylinder"/"Plate cylinder"</b> Position switch L-S28 actuated. Swung-up guard above impression cylinder on coating unit.			●	●	●
	<b>Guard "Coating blanket cylinder"</b> Position switch L-S29 actuated. Swung-up guard above coating blanket cylinder.			●	●	●
	<b>Monitoring rotation of pan roller motor</b> The motor nM1 is blocked or the speed limit has been exceeded.		●	●	●	●
	<b>Inking roller lock open</b> Position switch nS26 actuated. The journal box of one or several inking form rollers is open.				●	●
	<b>Upper finger guard/pressing bar inner inking unit guard</b> – Position switch nS25 "Upper finger guard" and/or position switch nS25a/nS25b "Pressing bar" (only with Autoplate) actuated. – Position switch nS25 actuated. On the printing unit one of the two upper finger protecting bars was actuated.		●	●	●	●
	<b>Bottom finger guard</b> Position switch nS24 actuated. – One of the two finger protecting bars was actuated. – One of the two finger protecting bars or the pressing bar was actuated. – On printing unit 1 through n the bottom finger protecting bar was actuated. On the last printing unit with standard delivery the blower tube was actuated.		●	●	●	●
	<b>Blanket control/monitoring of paper run</b> The sensor nB48 responds (symbol appears), if the software expects paper but does not detect any.				●	●
	<b>Monitoring the sheet-metal jackets</b> Position switch nS20 actuated. Sheet-metal jackets not correctly secured and positioned.	Not on the 1st printing unit				●

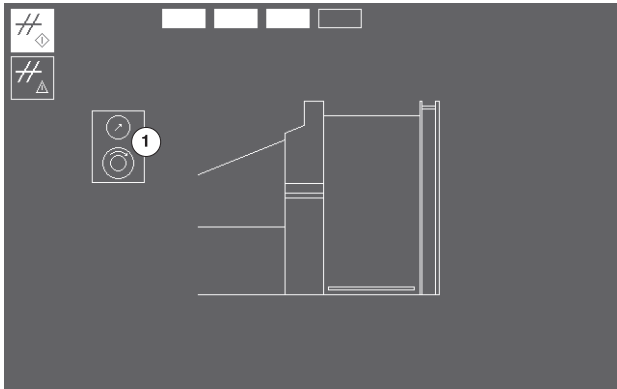
## Feeder

### "Press not ready to run"



Button sequence

Display of indicated malfunction after actuation of the buttons

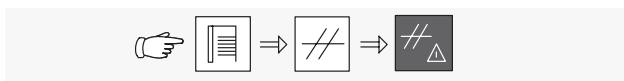


① Operating panel at feeder

"Feeder" – "Press not ready to run"

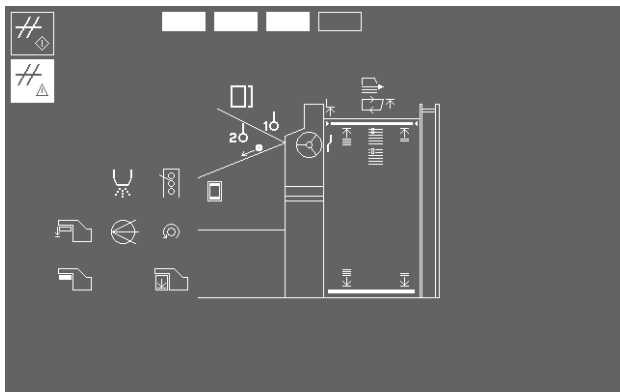
Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<b>Selector switch/illuminated pushbutton "Safe"</b> Switch 11 S 18 locked on the operating panel of the feeder.		●	●	●	●
	<b>"Emergency stop" button</b> Button 11 S 1 locked on the operating panel of the feeder.		●	●	●	●

”Warning”








Display of indicated malfunction after actuation of the buttons.









Button sequence










”Feeder” – ”Warning”

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<b>Auxiliary pile at delivery has reached lower stop</b> Position switch 12S56 actuated.				●	●
	<b>Number of sheets has been reached</b> The auxiliary pile carries the max. sheet weight of 240 kgs. The feeder switches off. ≤ 6/100 ≈ 4000 sheets ≤ 1/10 ≈ 2400 sheets ≥ 1/10 ≈ 1500 sheets.				●	●
	<b>Main pile at delivery has reached lower stop</b> Position switch 12S34, 12S34a or 12S34b actuated.		●	●	●	●
	<b>Malfunction in powder spray device</b> The feeder has switched off because the motor overload switch 15Q35 tripped or a malfunction occurred in the powder spray unit.		●	●	●	●

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Insufficient pressure</b></p> <p>The air pressure in the compressor is &lt; 6 bars.</p> <ul style="list-style-type: none"> <li>▪ Pressure switch F 45 actuated in the:                             <ul style="list-style-type: none"> <li>– pneumatic system compressor E4 (on presses with up to 2 PUs + coating)</li> <li>– compressor with compressed-air dryer E4</li> <li>– varnish supply unit compressor E4a</li> <li>– pneumatic system compressor M4.</li> </ul> </li> <li>▪ The pressure sensor "Pneumatics" 15B14 has responded.</li> </ul>				•	•
	<p><b>Illuminated pushbutton "Plate mounting"</b></p> <p>On one or several printing units the plate is to be clamped. The front lays have detected paper. Plate clamping can only be carried out when the print sheets have been removed from the feed table.</p>		•	•	•	•
	<p><b>Monitoring of pan roller motor speed</b></p> <p>On one or several printing units/coating unit the corresponding water/coating pan roller motor nM1 has exceeded the speed limit or is blocked. Unintentional high speed may be caused by excessive contact pressure of the dampening form roller.</p>		•	•	•	•
	<p><b>Adjustment of format wheels</b></p> <p>The symbol appears while the press is on "Run" and the motor 11M4 positions.</p>				•	•
	<p><b>Pull lay adjustment</b></p> <p>The symbol appears during "Presetting". During the adjustment "Paper run" and "Production run" are not possible.</p> <ul style="list-style-type: none"> <li>– The symbol flashes (with press on run) as long as the servo-drive (1M7/1M8) positions the pull lay.</li> <li>– The symbol flashes (with press on run) as long as the servo-drive (1M11/1M12) positions the pull lay.</li> </ul>		•	•	•	•

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<p><b>Electronic double-sheet detector</b></p> <ul style="list-style-type: none"> <li>– The sensor 1 B11 registers incorrect paper infeed.</li> <li>– The sensor 1 B66 (D.S.) or 1 B65 (O.S.) detects a double-sheet.</li> </ul>		•	•	•	•
	<p><b>Mechanical double-sheet detector</b></p> <ul style="list-style-type: none"> <li>– The position switch 11 S38 detects a double-sheet.</li> <li>– The position switches 11 S38, 11 S38a and 11 S38b detect a double-sheet.</li> </ul>	Only with Preset			• •	• •
	<p><b>Handwheel engaged</b></p> <p>Position switch 11 S4 actuated. The feeder cannot be switched on.</p>				•	•
	<p><b>Automatic pile transport</b></p> <p>Sensor 11 B35 actuated. The pile is not in the automatic pile-raising zone.</p>			•	•	•
	<p><b>Upper pile safety</b></p> <p>Position switch 11 S32 actuated. The paper pile is in its end position with the suction head being outside the sheet format.</p>			•	•	•
	<p><b>Suction head limitation</b></p> <p>Position switch 11 S31 actuated. The paper pile lifts the suction head while moving up.</p>		•	•	•	•
	<p><b>Upper main pile limitation</b></p> <ul style="list-style-type: none"> <li>– Position switch 11 S33 actuated.</li> <li>– Position switch 11 S33 actuated (without non-stop)</li> </ul> <p>The main pile is at the upper stop.</p>		•	•	•	•
	<p><b>Lower main pile limitation</b></p> <p>Position switch 11 S34 actuated. The main pile is at the lower stop.</p>		•	•	•	•

Symbol	Description	Note	SM 52	SM 74	SM 102	CD 102
	<b>Upper auxiliary pile limitation</b> Position switch 11 S36 actuated.		●	●	●	●
	<b>Lower auxiliary pile limitation</b> Position switch 11 S37 actuated.		●	●	●	●
	<b>Pile support plate limitation</b> Position switch 11 S39 actuated. The paper pile has completed its automatic descent.		●	●	●	●
	<b>Suction head/format adjustment</b> Motor 11M6 positions while press is on "Run". Lowest position reached during automatic positioning.				●	●
	<b>Pile stops D.S.</b> The symbol appears while the press is on "Run" and the motor 11M11 positions.				●	●
	<b>Pile stops O.S.</b> The symbol appears while the press is on "Run" and the motor 11M12 positions.				●	●
	<b>Pile support plate not lowered completely</b> The symbol flashes: no automatic positioning of – the suction head, – the pile stops D.S. and O.S. because of danger of collision with the pile support plate. The symbol does not appear if the position switch 11 S34 "Lower main pile limitation" is actuated. The pile support plate has been lowered completely.				●	●