

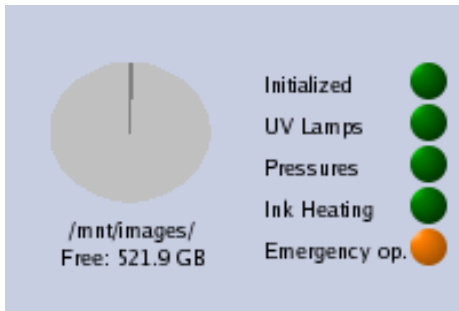
# 10

# Troubleshooting

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# 10.1 Emergency Operation

## 10.1.1 General

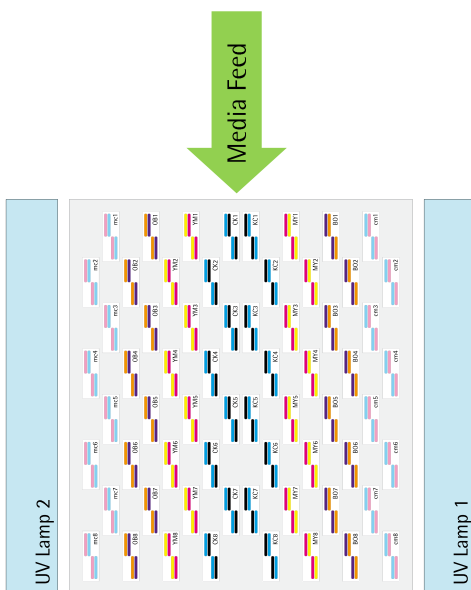


The following section describes which emergency modes can be used to operate the printer in some special cases (e.g. broken UV-Bulb, ...).

For some emergency modes it is necessary to run the latest Soft- and Firmware.

Some emergency modes will be indicated by the message "Emergency op. ●" in the bottom/right section of the Printer Software.

## 10.1.2 UV Lamps



Requirements:

- ✓ Printer Software Version: V1.1 Rev. 02 RC1 or higher

In emergency situations the Rho can be operated with only one working UV-Lamp. The lamp housing and everything else must be connected!

Therefore it is necessary to know which of both lamp units is not working. As it is possible to print unidirectional only in these cases, the customer has the choice between the Glossy or Mate mode.

Depending on this decision it may be necessary to move the broken component to the other UV unit to get the one working needed for the wished printing mode.

To activate the emergency mode the following entry needs to be added/modified in the DurstPrinter.setup file. The Software must be restarted after changing the entry.

RhoUVLampEmergencyOperation		x
Printing Mode	Used Lamps	Value of the "x" in DurstPrinter.etup file
No emergency operation	Both Lamps	0
Unidirectional Glossy	Lamp 1	1
Unidirectional Matt	Lamp 2	2

### 10.1.3 Media Transport Encoder

Requirements:

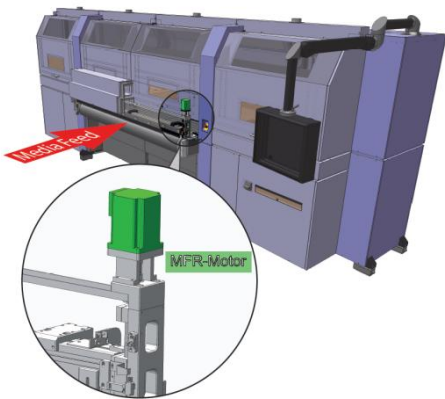
- ✓ Printer Software Version: V1.1 Rev. 03 RC3 or higher

In case of malfunction or missing Media Transport Encoder an entry in the DurstPrinter.setup file can force the unit printing without Media Encoder. As the system is not able to proof the position of the media advance steps it may be necessary to print in a better print mode to hide banding effects caused of the missing encoder values.

To activate an emergency mode add/modify the following line in the DurstPrinter.setup file. Restart the Software and resend the Feature Data in the Printer-Service-Configuration page.

RhoMediaEncoderEmergencyOperation	x
Mode	Value of entry "x" in setup file
No emergency operation	0
Operation without Media Encoder	1

### 10.1.4 Media Feed Roll (MFR) and Media Eject Roll (MER) Motor



Requirements:

- ✓ Printer Software Version: V1.1 Rev. 02 RC1 or higher

In case of malfunction of either the Media Feed Roll Distance Motor, Media Eject Roll Distance Motor or the Head Media Distance Motor an entry in the DurstPrinter.setup file can disable the MFR or MER Motor.

As the electrical components in the MFR, MER and HMD system are identical a faulty component of the HMD system can be interchanged with the good one from the MFR or MER system. With the additional deactivation of the MFR or MER system it allows a temporary emergency operation of the printer.

To activate an emergency mode add/modify the following lines in the DurstPrinter.setup file. Restart the Software and resend the Feature Data in the Printer-Service-Configuration page.

RhoMediaFeedRollConfiguration	x
Mode	Value of entry "x" in setup file
No emergency operation	0
Operation without media feed roll	1

RhoMediaEjectRollConfiguration	x
Mode	Value of entry "x" in setup file
No emergency operation	1
Operation without media eject roll	0

## 10.1.5 MDrive motor address change

The MDrive Motors for MFR, HMD and MER are the same type but they have a different program and address.

It's possible to change the address of these motors. This could be useful in case of a damaged HMD motor because the MFR or MER motor could be used instead.

The following serial commands are needed:

Command	Description	Motor addresses (parameter x and y)
YCMDxPR DN	Communication Test	a HMD Mot
YCMDxDN="y"	Address of motor "x" is set to "y"	b MFR Mot
YCMDxEM=0	Echo mode is set to Full Duplex	d PIO Mot
YCMDxS	Changes are saved	e PUD Mot f MER Mot



Don't hot plug connections on the MDrive motors at any time! Turn off the main switch of the machine when a plug has to be disconnected!

Follow the sequence below to change the address of the MFR motor to the HMD motor:

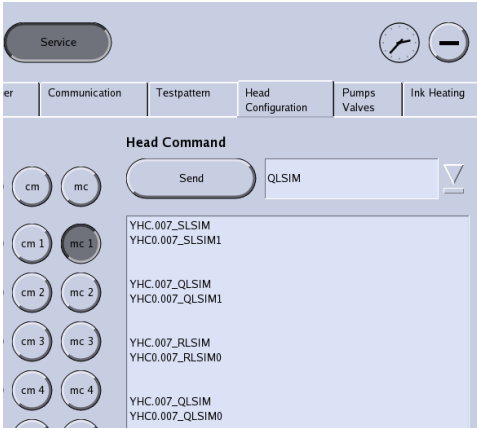
- Turn off the main switch of the machine
- Disconnect the HMD motor
- Turn on the machine
- YCMDbPR DN      Check communication to MFR motor
- YCMDbDN="a"      Change the address of MFR motor from "b" to "a"
- YCMDaEM=0      Set echo mode to Full Duplex
- YCMDaS      Save changes into motor

After that it's possible to change the motors mechanically. Take the chapter "Adjustments and Diagnostic" to adjust the encoder value and offset correct.



The changed motor has to come back to its original position when a new motor is installed because they don't have the same program. Don't forget to change the addresses back!

## 10.1.6 Lois simulation



Requirements:

- ✓ Printer Type: Rho1000/1012/1030

Sometimes a very bad head crash leads to damaged slots. In these case ink is leaking out of the slot and the machine keeps filling up the print head if the ink level in the head tank is too low.

Follow the steps below to turn on the Lois simulation for a particular head to avoid that the print head is refilled:

- Turn on the LOIS simulation for the damaged head
- Disconnect and bypass the meniscus pressure
- Purge the print head empty

Now the ink level control won't refill the print head.

The commands below can be used to turn the simulation on and off and to query the actual status.

The commands must be send to the affected head in the Printer-Service-Head Configuration tab.

Command	Description	Response
RLSIM	Turns off the Lois simulation	xxx_RLSIM0
SLSIM	Turn on the LOIS simulation	xxx_SLSIM1
QLSIM	Queries the status of the LOIS simulation	xxx_QLSIM0 simulation OFF xxx_QLSIM1 simulation ON

After turning ON the LOIS simulation the affected head row has to be turned off. Therefore follow the chapter "Deactivation of Head Rows".

## 10.1.7 Print head emergency mode for Fusion board printers

### Requirements:

- ✓ Printer Type: Rho P10 200/250 (Rho 7xx/8xx/9xx if equipped with Fusion Board)
- ✓ Firmware (below-mentioned or higher)

All colors except white:  
LE4051P\_OZ\_SVN2018  
LE5051P\_1Z\_SVN2016

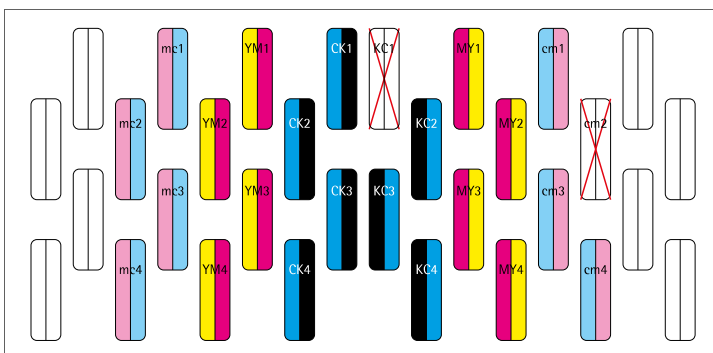
All colors including white:  
LE4051P\_2Z\_SVN2624  
LE5051P\_3Z\_SVN2629

The following command can be used to deactivate single print heads in case of electrical problem (LOIS, NTC or heating element broken). After deactivating it's possible to disconnect the head and to take it out of the print carriage.



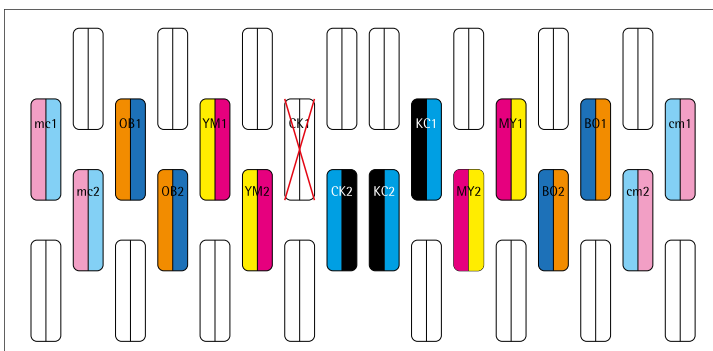
The command must be sent in the Printer-Service-Communication tab. A restart of the machine (main switch OFF – ON) will reactivate ALL heads! Follow the chapter "Deactivation of head rows" otherwise the density and the quality won't match.

YSHPabcde		
Parameter	Description	Values
a	Printhead	0 – Ck    4 – BO, F5 1 – MY    5 – OB, F6 2 – YM    6 – cm 3 – KC    7 – mc
b	Defines head 1 present or not	1 – head present 0 – head not present
c	Defines head 2 present or not	
d	Defines head 3 present or not	
e	Defines head 4 present or not	



Command to deactivate KC1:  
YSHP30111

Command to deactivate cm2:  
YSHP61011



Command to deactivate CK1:  
YSHP001

### 10.1.8 Deactivation of Head Rows

Requirements:

- ✓ Printer Software Version: V1.1 Rev. 06 RC1 or higher

With 2 setup entries it is possible to deactivate head rows for image printing. This option could be useful in case of leaking slots or problems with fire pulses

The printer must have communication to the print head to use this mode. It is not important whether the print heads in the 1<sup>st</sup> row or in the 6<sup>th</sup> row are broken.

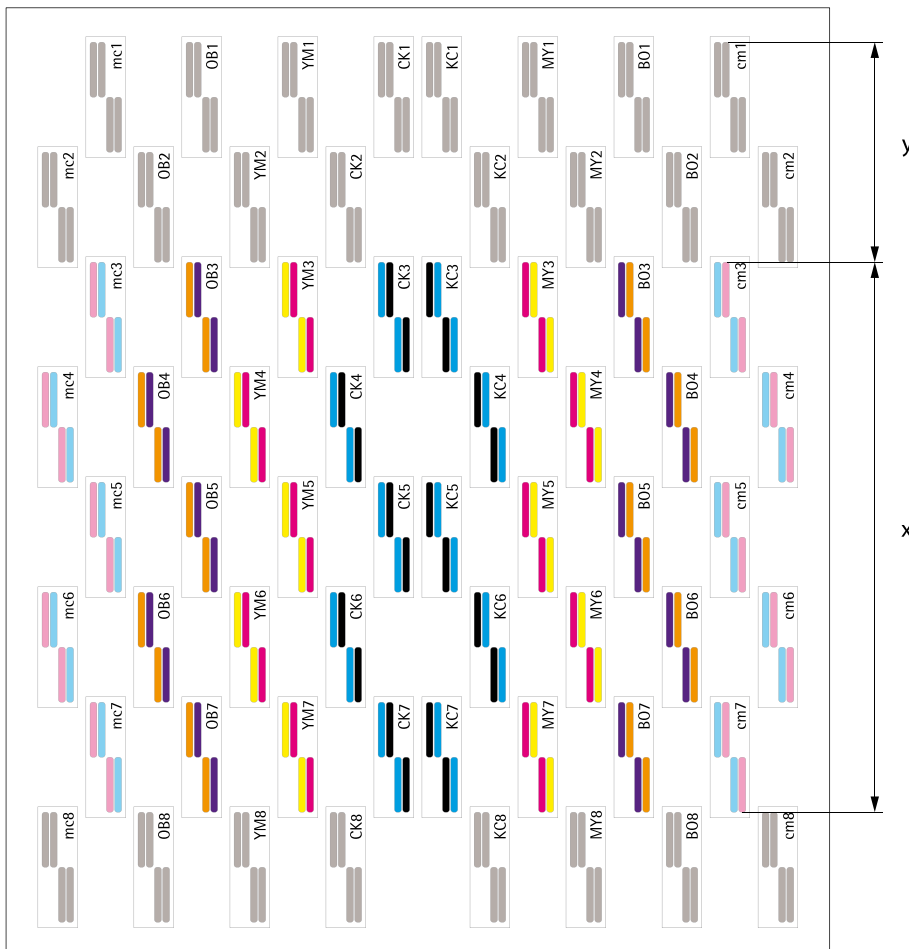
RhoNumOfPrintheadsPerColorToUse	x
RhoNumOfPrintheadsPerColorOffset	y

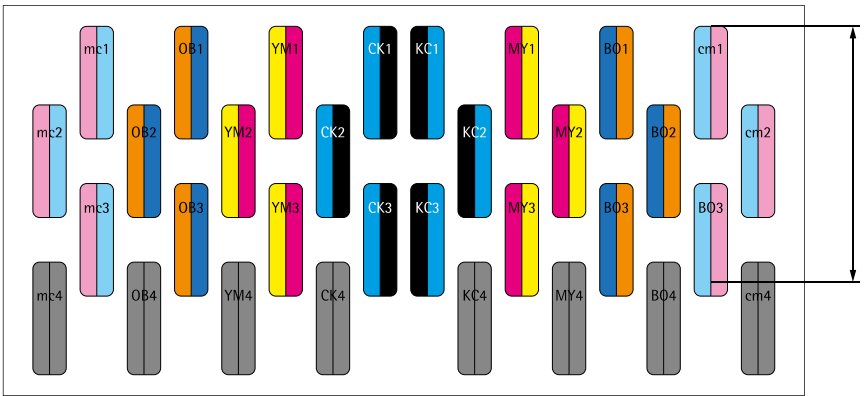
  

Value	Range	Description
x	1-8	Number of head rows with operating print heads
y	0-7	Offset of the operating print heads to row one

E.g.: Rho1000 with deactivated head rows. With the configuration below the machine would print with 5 head rows, starting with row 3.

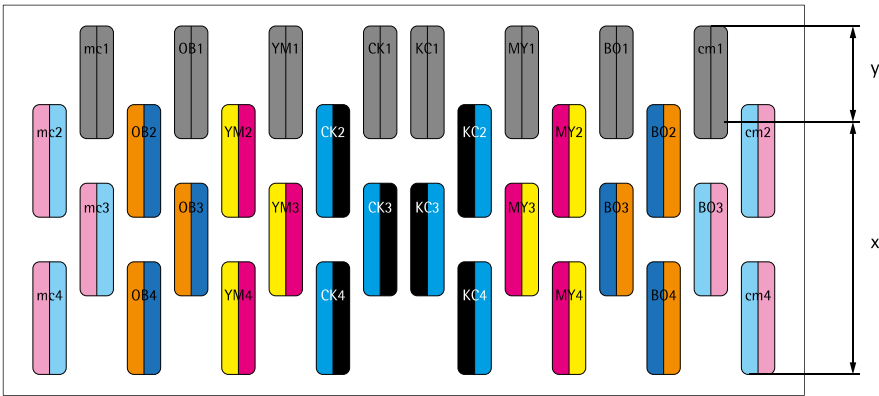
*RhoNumOfPrintheadsPerColorToUse 5*  
*RhoNumOfPrintheadsPerColorOffset 2*



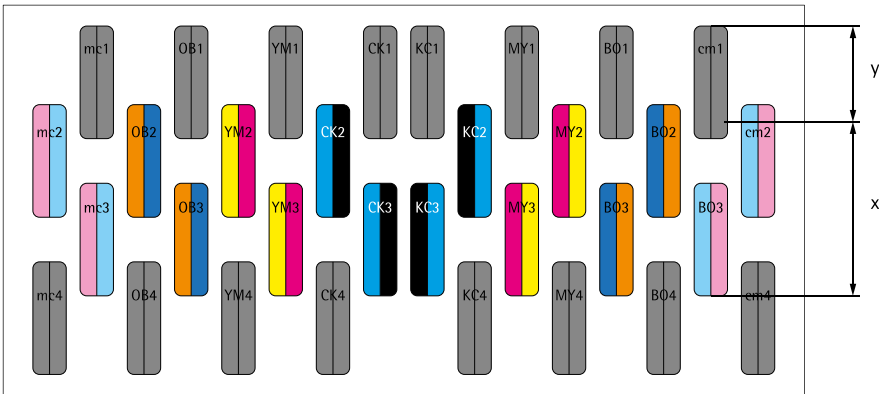


E.g.: With the configuration on the left the machine would print with 3 head rows, starting with row 1.

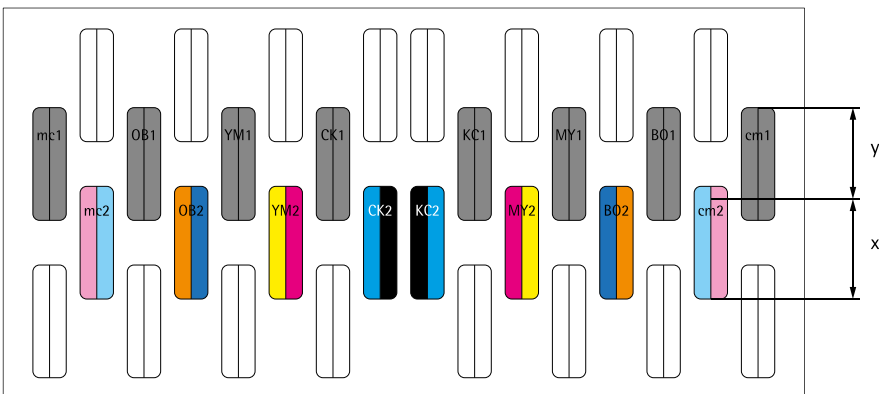
Parameters:  
*RhoNumOfPrintheadsPerColorToUse 3*  
*RhoNumOfPrintheadsPerColorOffset 0*



Parameters:  
*RhoNumOfPrintheadsPerColorToUse 3*  
*RhoNumOfPrintheadsPerColorOffset 1*



Parameters:  
*RhoNumOfPrintheadsPerColorToUse 2*  
*RhoNumOfPrintheadsPerColorOffset 1*



Parameters:  
*RhoNumOfPrintheadsPerColorToUse 1*  
*RhoNumOfPrintheadsPerColorOffset 1*



## 10.1.9 Water Chiller Emergency Operation



### Requirements:

- ✓ Printer Type: Rho1000
- ✓ Printer Software Version: V1.1 Rev. 20 or higher
- ✓ MUC Firmware: V1.19/4

The emergency mode doesn't supply to Rho1012/1030 printers because of the water cooling of the torque motors.

In case of an electrical problem with the Water Chiller the printer can be operated without the unit.

Therefore by activating the emergency mode the UV-Power and the printing speed will be throttled to keep the temperature in the lamp housing within a permitted range.



Following issues must be considered if the machine is operated without the water chiller



*(hoses of water circulation must be connected)*

- The tubes must be connected to the water chiller
- All water connectors on the UV-Lamphousing must be hooked up. (the water in the housing will expand)
- Take out the light barrier of the UV-Lamphousing
- Mount the bracket instead of the light barrier to protect the thermo switch

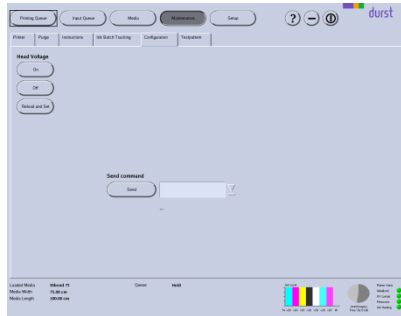


*(bracket to protect the thermo switch in the lamp housing)*

To activate the emergency mode add/modify the following line in the DurstPrinter.setup file. Restart the Software and resend the Feature Data in the Printer-Service-Configuration page.

RhoUVWaterChillerEmergencyOperation	x
Mode	Value of entry "x" in setup file
No emergency operation	0
Operation without Water Chiller	1

## 10.2 Helpful serial extra commands



Commands can be sent in tab Printer-Service-Communication

	Command	Response	Description
Crash Sensor Status	YCSP?S_SAFIN	YCSP0 28 ON Emergency Stop (#ES) YCSP0 28 OFF Emergency Stop (#ES)	<b>Signal inverted!!</b> ON OK: No switch detected OFF FAULT: One or more switches actuated Detects the status of the crash sensors (incl. Media Security Sensors, Light Trap Switch, Front Door Switches)
Serial Communication Test	YSC	YSC 0...0	Response must be all 0, otherwise a communication problem in the between the bus controlled PCBs occurs. Check serial command list for detail
UV Lamp Hour Counter	YSB.u0_x	YSB.0u_xyyyyy.yy	Working on Hönle µController only x L Lamp 1 M Lamp 2
UV Lamp Hour Reset	YSB.u0_x		Working on Hönle µController only x f1 Lamp 1 f2 Lamp 2
Encoder Readout	YCSP?{%12.0f}FPO Sx	YCSP0 aaaaa	Error Indication for ACS Spii x 0 Axis X (Carriage Linear Motor) 4 Axis Y (Media Transport Motor) a Position
Read Spii Firmware Version	YCSP?VACS	YCSP0 vvvvvv	v Version of Spii Firmware e.g. 3011006 -> LE3011.6Z (not working on older Spii firmware versions)
Number of Advances out of Range	YCSP?VorschubCnt	YCSP0 aaaa bbb	Not working on older Spii firmware versions a Number of total media advances b Number of media advances with more than 5µm positioning error

Status of Spii Carriage and Transport Belt Controller	YCSP?B/FAULTx	YCSP0 00000000,000Outsrq,ponmlkji,hgfedcba	Error Indication for ACS Spii	
			x	Axis X (Carriage Linear Motor and Encoder)
			0	Axis A (Media Transport Motor)
			4	Media Transport Encoder
			Bit	Fault Description
			a	RIGHT LIMIT 1 = Right limit switch is activated
			b	LEFT LIMIT 1 = Left limit switch is activated
			c	RIGHT LIMIT 2 1 = Preliminary right limit switch is activated
			d	LEFT LIMIT 2 1 = Preliminary left limit switch is activated
			e	MOTOR OVERHEAT 1 = Motor's temperature sensor indicates overheat
			f	SOFTWARE RIGHT LIMIT 1 = Axis reference position is greater than the software right limit margin
			g	SOFTWARE LEFT LIMIT 1 = Axis reference position is less than the software left limit margin
			h	ENCODER NOT CONNECTED 1 = Primary encoder is not connected
			j	DRIVE ALARM 1 = Signal from the drive reports a failure
			k	ENCODER ERROR 1 = Primary encoder miscounts
			m	POSITION ERROR 1 = Position error has occurred
			n	CRITICAL POSITION ERROR 1 = Position error exceeds the value of the critical limit
			o	VELOCITY LIMIT 1 = Absolute value of the reference velocity exceeds the limit defined by the parameter.
			p	ACCELERATION LIMIT 1 = Absolute value of the reference acceleration exceeds the limit defined by the parameter
			q	CURRENT LIMIT 1 = Current calculated in the Servo Processor exceeds the limit value defined by the parameter
r	SERVO PROCESSOR ALARM 1 = Axis Servo Processor loses its synchronization with the MPU. The fault indicates a fatal problem in the controller			
u	HSSI NOT CONNECTED 1 = HSSI module is not connected			

## 10.3 Error Code List

Code	Description	Possible Solution	PRINTSW V1.1 Rev.08 RC7
2001	Printer not initialized	Initialize printer in tab Maintenance	
2002	Capping unit is moved out. Please initialize printer		
2215	Error switching on safety relais		
2217	Error switching off safety relais		
2220	Failed to set media feed roll distance	Make sure all the Safety Switches are closed and try to move (initialize) the motor in Testcom Check the Limit Switches, check the cable connections and the supply voltages	
2221	Failed to set head media distance		
2228	Front encoder not working	Check the connections, the supply voltages, check for mechanical damages	
2233	Printhead carriage not working		
2246	Error switching table fan		
2246	Table vacuum fan does not react		
2254	Print carriage status check failed		
2255	Timeout waiting for printhead carriage		
2256	Light trap is not inserted		
2256	Light trap emergency switch check failed !	Check the cable connections and measure the switch function	
2257	Cover emergency switch check failed !		
2257	Printer cover open		
2259	Invalid printhead carriage status		
2269	Unable to query printhead temperature		
2269	Unable to query printhead target temperature		
2269	Unable to start ink heating system		
2270	Waste ink tank full. Please empty ink tank	Empty waste ink bottle.	
2280	Configuration data mismatch. - Please update configuration or printer		
2290	Failed to backup printer configuration		
2294	Unable to start purging cycle !		
2302	Unable to calibrate the front encoder		
2307	Unable to Switch the Rimless Print		
2308	Unable to teach media stop sensor		

2309	Unable to send the feeding offset	
2311	Lois offset not programmed.	
2355	Vacuum table offset	
2371	Insufficient ink in main tank. Please refill ink	
	Error querying main tank	Check the connection to the main ink tank sensors and check their actuating status Main Ink Tank Sensor possibly broken
2451	Head voltage data differ from saved configuration. Please update configuration	
2700	PDF file not found	
2701	Movie file not found	
2702	Movie player not installed correctly	
2703	Movie player is running	
2704	PDF viewer is running	
2705	PDF file not specified	
2706	Movie file not specified	
6002	Printing Error - Sledge check failed. Please check the serial interface	
6004	Printing Error - Data transfer failed. Please check the optical data link interface (link status, cable, correct driver installation). If the error persists, shutdown and restart the workstation	
6005	Printing Error - Sledge start failed	
6008	Sledge control unit failed !	Check the status of the security switches (incl. door switches, crash switches)
6009	Printhead carriage uninitialized	
6011	Sledge print encoder failed	
6012	Purge vacuum pump failed	
6013	Purge up/down motor failed	
6014	Purge in/out motor failed	
6015	Purge head media distance wrong	
6016	Cover open	
6017	Purge tub open	
6018	Purge security switch active	
6600	Sledge print encoder error detected during test pattern printing. - Please remove the medium and press "Ok"	
	Crash Sensor Detected	Remove crashed media, check the function of the crash switches and initialize again

	Crash sensor detected during purge cycle. - Please remove the medium and press "Ok"	
	Sledge control unit error detected during printing. - Please remove the medium and press "Ok"	
	Sledge control unit error detected during purge cycle. - Please remove the medium and press "Ok"	
	Sledge print encoder error detected during printing. - Please remove the medium and press "Ok"	
	Sledge print encoder error detected during printing. - Please remove the medium and press "Ok"	
	Sledge control unit error detected during test pattern printing. - Please remove the medium and press "Ok"	
	Crash sensor of the print carriage detected	
	Crash sensor detected during printing. - Please remove the medium and press "Ok"	
	Sledge print encoder error detected during purge cycle. - Please remove the medium and press "Ok"	
6610	Sledge control unit failed !	
6611	Printhead carriage uninitialized	
6612	Crash Sensor Detected	Remove crashed media, check the function of the crash switches and initialize again
6613	Sledge print encoder failed	
6614	Print carriage check failed. UV security unit not ready	
6615	Print carriage check failed. Cover or purge tub open	
6616	Print carriage check failed. Firmware error	
6617	Print carriage check failed. Capping unit error	
6619	UV security unit not ready	
6620	Purge vacuum pump failed	
6621	Purge up/down motor failed	
6622	Purge in/out motor failed	
6623	Purge head media distance wrong	
6624	Print carriage check failed. Cover open	
6625	Print carriage check failed. Purge tub open	
6626	Print carriage check failed. Purge security switch active	
6627	Firmware error	

6628	Capping unit error	
6629	Head media distance below limit for capping	
7200	Remove any media from printer	
7255	Failed to set printing resolution	
7256	UV-Lamp mode not set	
7257	Uni-/Bi-Directional print mode not set	
8009	Error on OptoLink-Interface.(DHS NOT READY)	
8101	Error on OptoLink-Interface.(DHS_COULD_NOT_OPEN_DEVICE)	
8103	Error on OptoLink-Interface.(DHS_COULD_SET_ASYNC_MODE)	
8207	Error on OptoLink-Interface.(DHS_LEN)	
8208	Error on OptoLink-Interface.(DHS_SMAX)	
8209	Error on OptoLink-Interface.(DHS_AWRITE)	
8210	Error on OptoLink-Interface.(DHS_ACHECK)	
8211	Error on OptoLink-Interface.(DHS_ASTAT)	
8212	Error on OptoLink-Interface.(DHS_COULD_NOT_RESET_DRIVER)	
8213	Error on OptoLink-Interface.(DHS_COULD_SET_TXSPEED)	
8214	Error in Optolink data transfer	
8300	Invalid Fusion datalink interface channel	
8301	Failed to open Fusion datalink interface channel 0	
8302	Failed to open Fusion datalink interface channel 1	
8303	Failed to open Fusion datalink interface channel 2	
8304	Failed to open Fusion datalink interface channel 3	
8305	Failed to write to Fusion datalink interface	
8306	Failed to write to Fusion datalink interface - Error copying data from user-space to kernel-space	
8307	Failed to write to Fusion datalink interface - Error detected by link card	
8308	Failed to write to Fusion datalink interface - Timeout occurred during transfer	
8309	Failed to write to Fusion datalink interface - Received a interrupt signal	
10003	Error sending command to RS 485 Bus	
10004	Media feed roll distance is not adjustable	Media feed roll system reached mechanical end. Communication to motor interrupted. Motor encoder faulty.
10005	Failed to query media feed roll distance	

10006	Error Querying Paper Advance	If info in detail section is 10a1 or 10a0 or the response in the log file is PAQ210a0, check the proper function of the media front stopper bar (upper position detection switches)
10007	Unknown Answer when Querying Paper Advance	
10008	Error Querying Status of Media Feed	
10009	Unknown Answer when Querying Status of Media Feed	
10010	Unable to set curing parameters for unidirectional printing	
10011	Cannot switch UV-Lamps On or Off	
10012	Cannot set UV-Lamps Intensity	
10013	Error Querying Vacuum Motor Distance	
10014	Unknown Answer when Querying Vacuum Motor Distance	
10015	Unable To Set Vacuum Motor Distance	
10016	Error Querying Waste ink bottle	
10017	Error Checking Pressure Systems	
10018	External pressure: Not ok	
10019	Meniscus pressure: Not ok	
10020	Lung vacuum: Not ok	
10021	Unable to Switch Power for Motors	
10022	Error Setting Microlynx Holding Current	
10023	Head media distance is not adjustable	Head media distance system reached mechanical end. Communication to motor interrupted. Motor encoder faulty.
10024	Failed to query head media distance	
10025	Unable To Load Media	
10026	Error Querying Emergency Switch Light Trap	Check switch
10027	Error Querying Emergency Switch of the Cover	
10028	Error Querying SPiiPlus-MDrive	
10029	Error Setting Feed Mode	
10030	Error Setting Feed Mode	
10031	Error Switching Roll Table Motor	
10032	Cannot Start Sledge Initialization	
10033	Unknown Answer when Querying Crash Sensor	
10034	Initialization of reference positions failed with timeout	



10035	Unable to Query UV-Lamp Status !	
10036	Error Positioning Reference Positions	Check the safety switches: Front door switches, light trap switch, media security sensor, crash sensors, maybe BUSSMANN fuse in MC4U controller
10037	Head media distance reference not found	Check the power supply for the affected unit
10038	Media feed roll reference not found	
10039	Vacuum system reference not found	
10040	Print carriage reference not found	
10041	Media transport reference not found	
10042	UV security unit not ready	
10043	Edge holder motor not up-down ready	
10044	Edge holder motor not in-out ready	
10045	Feeder reference not found	
10046	Purge up/down reference not found	
10047	Purge in/out reference not found	
10048	Media transport fault	
10049	Media transport check failed. Media transport encoder or media transport motor fault	
10050	Media transport check failed. Cover or purge tub open	
10060	Failed to set quality mode	
10143	Error in UV Lamp System	
10144	UV lamp 1 error: shutter not working	
10145	UV lamp 2 error: shutter not working	
10146	UV-Lamp 1 failure	
10147	UV-Lamp 2 failure	
10148	UV safety device failure	
10149	UV Lamp 1 not Ready	
10150	UV Lamp 2 not Ready	
10152	Error in UV lamp system	
10153	Failed to Initialize the Printer	
10154	Feature data mismatch. - Please update configuration or printer	
10155	Media Family is in use !	
10156	Vacuum system not adjustable !	

10157	Eject and remove board media first !	
10158	Media not unloaded! Continue Loading Media ?	
10159	Media still not unloaded! Continue with choose media (yes) or return to main menu (no) ?	
10160	Medium not loaded correctly - please reload medium	
10161	Drop Fly Time is not configured properly	
10162	Error Stopping Expose Program	
10163	Error Setting Feed Table Type	
10164	Error Selecting Detect Switches	
10165	Unable to print test pattern on selected position	
10166	The minimal requested width of the media is 42cm/16.55in.	
10167	Media not loaded correctly - Reload Media	
10168	Media cannot be ejected !	
10169	User Abort !	
10170	Timeout in Purge Cycle	
10171	Error switching SPiiPlus buffer	
10172	Switching on UV-lamp 1 timed out (lamp still cooling)	
10173	Switching on UV-lamp 2 timed out (lamp still cooling)	
10174	Switching on UV-lamps timed out (lamps still cooling)	
10175	Error setting configuration data	
19999	Unable to switch the head voltage	
20000	Unable to switch on the head voltage	
20001	Unable to switch off the head voltage	
20002	Unable to set the head voltage	
20003	Cannot create FIFO	
20004	Cannot open FIFO	
20006	Failed to write shared image buffer	
20007	Timeout writing to printer	
20009	Printing Error - Check the UV-lamps	
20010	Printer not working.	
20011	Media Id already exists. Enter a non existing Id	

20012	Currently loaded media changed, reload media	
20013	Reading Image File failed	
20014	Writing File to FIFO failed	
20015	Error executing security move	
20016	Ink Heating was not switched On	
20017	Unable to start ink heating system	
20018	Please refill main tanks	
20019	Error in checking printhead ink tanks	
20020	Loading of new board failed	
20021	Please insert the light trap completely	
20022	Please insert the light trap completely. Then pull out to the stop	
20023	Please close the printer cover	
20024	Sledge control unit error	
20025	Crash Sensor triggered	
20025	Crash Sensor triggered. Please remove the medium and press "OK".	
20026	Security move requires printhead carriage at right hand position	
20027	Printhead temperature could not be reached in time!	Check the temperature for each single head in Testcom
20028	Failed to switch on the UV lamps!	Switch off/on the machine and initialize again
20029	Opening Image File failed	
20030	Type conversion failed.	
20031	Eject Media first !	
20032	System has been locked by Autotimer.If this error persits, please reboot the workstation.	
20033	Unable To Switch Table Vacuum Relais	
20034	No Medium loaded !	
20035	No Medium detected !	
20036	Unexpected Feeding Tool Error.	
20037	End of Media Detected or Heavy Roll Tool Not Ready.	
20038	Continuous Feeding Tool Not Ready	
20039	Error in checking printhead ink tanks. Communication error in ink level control. Call Customer Service!	It may be necessary to replace the main ink filter for the in the error text mentioned color.

20040	Error in checking printhead ink tanks. Timeout error caused by ink level control.	
20041	Error in checking printhead ink tanks. At least one head has not reached the nominal temperature. Heating-up will take a few more minutes.	
20042	Error in checking printhead ink tanks. Defect of ink level sensor. Call Customer Service!	
20043	Error in checking printhead ink tanks. Ink level control not working. Call Customer Service!	
20044	Error in checking printhead ink tanks. Ink level not yet reached. - Filling will take a few more minutes.	
20045	Failed to query feeder equipment	
20046	Failed to control feeder	
20047	Failed to query feeder status	
20048	Feeder is activated for currently loaded medium. Please attach the feeder unit	
20049	Failed to query white ink mixer status	
20050	White ink mixer not working	
20051	Failed to set feeder prefetch mode	
20052	Unable to set unidirectional return speed	
20053	Unable to spit colors	
20054	Unable to print a test pattern on a board	
20055	Media advance failed	
20056	Head media distance and medium distance must not exceed purge height	
20057	Failed to control continuous board feeding tool	
20058	Continuous feeding tool error: - Next board position is invalid (below buffer min)	
20059	Continuous feeding tool error: - Next board position is invalid (within page row)	
20060	Continuous feeding tool error: - Next board position is invalid (within print carriage)	
20061	Continuous feeding tool error: - Failed to query next board position	
20062	Failed to detect medium - please reload medium	
20063	Board feeding failed (timeout)	
20064	Failed to query stacker status - Please check if your stacker is switched on and properly connected	

20065	Stacker is full - Please empty the stacker	
20070	Unable to set printhead target temperature	
20071	Unable to switch printhead temperature on or off	
20072	Failed to query printhead data	
20073	Failed to switch sledge oiling unit on/off	
20074	Failed to query sledge oiling unit status	
20075	Failed to set board insert length offset	
20076	Failed to set fire pulse	
20077	Failed to set jet straightening pulse	
20078	Failed to set feeding side	
20079	Failed to move print carriage	
20080	Failed to park print carriage	
20081	Print sledge is busy	
20082	Head media distance reference is uninitialized	
20083	Vacuum table offset is uninitialized	
20084	Purge up/down offset is uninitialized	
20085	Purge up/down distance is below allowed minimum	
20086	Print sledge is not in home position	
20087	Failed to set continuous feeding mode	
20088	Failed to control continuous feeder - Please check if your feeder is switched on and properly connected	
20089	Failed to set feeder board length - Please check if your feeder is switched on and properly connected	
20090	Failed to set feeder board count - Please check if your feeder is switched on and properly connected	
20091	Failed to set feeder board measurement calibration	
20092	Failed to get board leading edge position	
20100	Failed to get media edge detect status	
20101	Failed to move print carriage to capping unit	
20102	Failed to move print carriage from capping unit	
20103	Failed to set capping unit	
20104	Failed to query capping unit position	

20105	Failed to switch ionizer unit	
20106	Failed to query ionizer unit alarm	
20107	Failed to query ionizer unit service status	
99999	Unexpected error during motor control	
	Could not open database	
	Generic database error occurred	
	General Communication Error. Please check if your printer is switched on and properly connected	
	Commands were not read or interpreted properly. Please check your configuration	
	Workstation was unable to communicate with Printer Device.	Check if printer is on (Main switch, emergency power offs) Check serial connection between workstation and printer. Replace the USB/Serial converter with the Serial PCI card - Check Technical Info!!
	Configuration Error - Internal programming error	
	Illegal Argument - Internal programming error	
	The feature is not implemented yet	
	Illegal State - Internal programming error	
	Illegal Argument - Internal programming error	
	Null Pointer - Internal programming error	
This is an unexpected error, usually a runtime exception		