SDD
Smart Dedicated Design

ROTATOR TRANSPORT MODULE
RTM6940

OPERATOR MANUAL

About this manual

Machines have much in common but there are differences because they can be mirrored, have different colours or additional options. Therefore the machine on the pictures in this manual may be different.

This machine must be installed by a qualified technician.

Contents

1. Safety

Carefully read the Safety Instruction Document (**DBCH-0512-0000-V000**) before installing, servicing or operating your equipment.

2. General

To get the highest functionality for multi format finishers, SDD has designed a Rotator Transport Module RTM6940 that is compatible with the HCS3 and for SDD Bookletmakers.

This rotator is specifically designed in order to improve processing speed in situations where the receiving finisher needs to be fed short edge first.
With this concept it is proved again that more functionality does not necessarily mean the machine has to be more complex to operate.
By support of the printer, it is possible to set the RTM in Auto mode. Which means that the printer can readjust the RTM automatically from Bypass to Rotation mode and vice versa.

For example:
A4 and Letter are used with the Rotation mode enabled while A3 and Ledger run in Bypass mode, allowing finishers that can receive mixed jobs to run at maximum speed with a minimum of operator intervention.
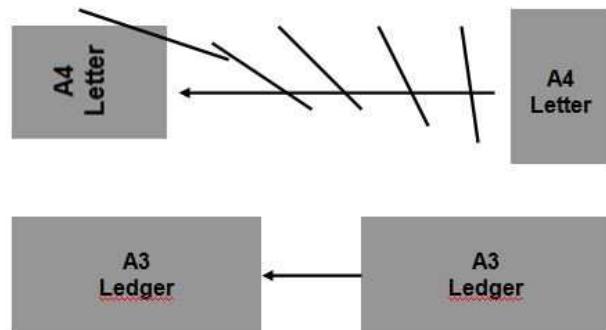

> ℹ The standard paper size is set up for A3/A4 paper. For adjustments of the paper size consult a qualified technician.

3. Basic information

See the picture below to get familiar with the main components of the Rotator Transport Module.

⚠️ All directions are seen from the paper flow direction.
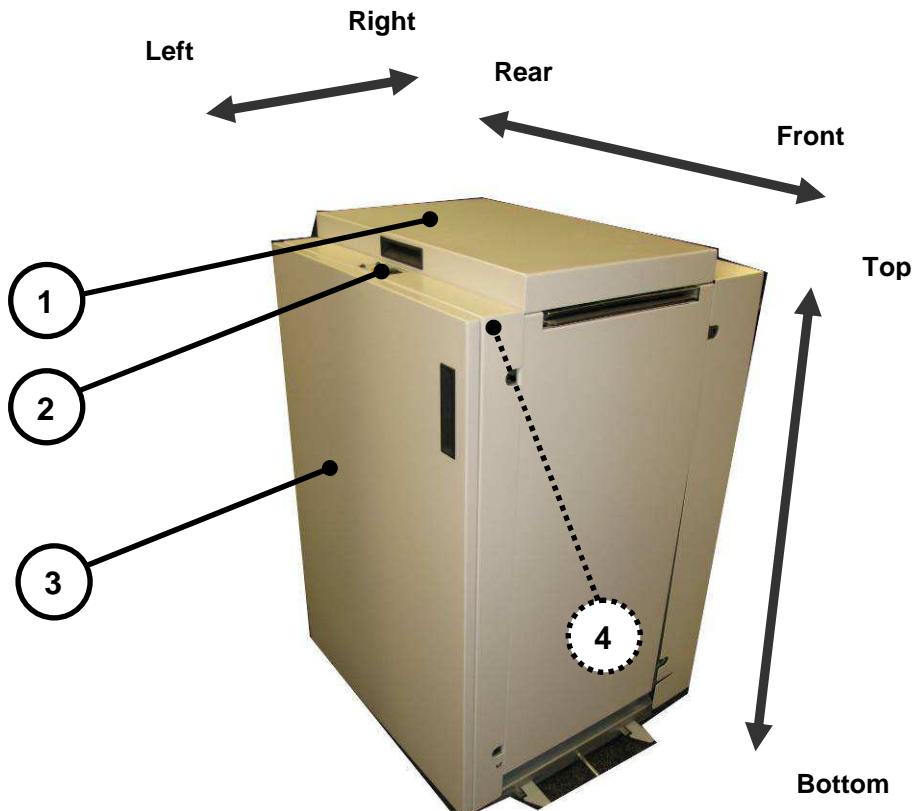
The machine on the pictures in this manual can have a different colour or can be mirrored. Typical Front and Rear designations which normally are viewed from the operator location have been replaced by Left and Right. Left and Right is viewed from the paper direction.

Clarification
Left = Operator side for RTM6940

No.	Description
1	Top Cover
2	Control Panel
3	Storage compartment door
4	Power Switch (inside)

3. Basic information (Continued)

Control Panel
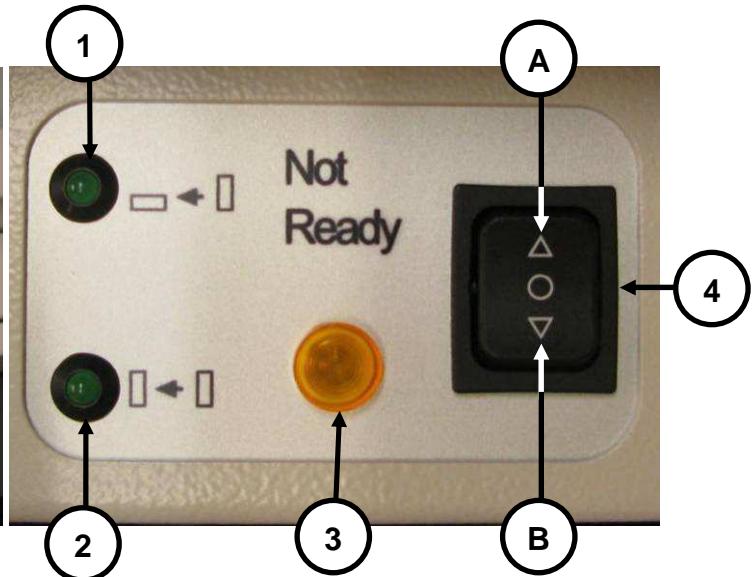
No.	Description	Remarks	
1	Rotator mode indicator light		
2	Bypass mode indicator light		
3	"Not ready" indicator light		
4	Mode control / On- Offline button	Online - Auto mode - Bypass mode - Rotation mode - Not Ready mode	Offline A - Mode button "Up" ▲ B - Mode button "Down" ▼

Power Switch

On/off switch (inside)

SDD
Smart Dedicated Design
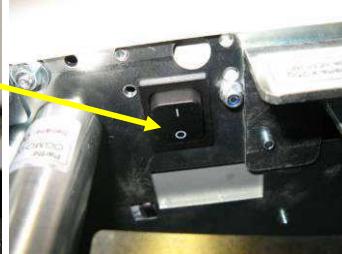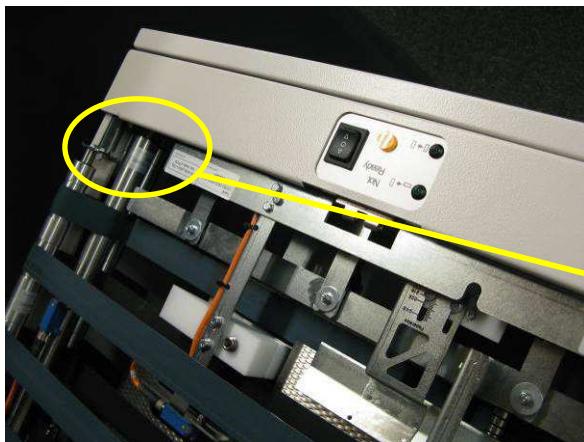
4. Operating

⚠️ Before continuing the Basic operation make sure that the RTM is installed according to the RTM Installation Manual.
The RTM can be installed directly to the printer, or to other SDD finishers that are already present, and should always be placed directly in front of the finisher that requires paper to be fed short edge first.

One of the following lines has to be checked off by the Service Specialist to notify the Operator:

☐ The Printer does have the correct settings, so the RTM can run on Auto mode.

☐ The Printer does **not** have the correct setting for the RTM to run on Auto mode, so the RTM **can only** run on Manual mode.

This section explains how to use the RTM during normal operation.
After switching on the RTM it will operate in the Auto mode (automatically Rotation / Bypass)

4.1 Preparing the RTM

➢ Prepare the printer / copier and finishing devices as described in their respective manuals.
➢ Switch on the RTM, the printer / copier will self decide if the RTM runs in automatically Rotation or Bypass mode

ℹ️ To check the Operation mode of the RTM, press the Mode control button 4A ▲ shortly;
  - If the lights are flashing, then the RTM will operate in Auto mode.
  - If the lights do not flash, then the RTM will operate in Manual mode.

ℹ️ For selecting a manual Bypass or Rotation mode, use the Mode control button for 5 or 10 seconds. The 5 and 10 second delays are there for preventing accidental mode changes. (See next page for selecting the desired operating mode)

After changing the operation mode, always press the Mode control button "Up" to confirm "ready". The RTM is now ready for use. Make sure to set up other finishing devices according to their respective manuals.
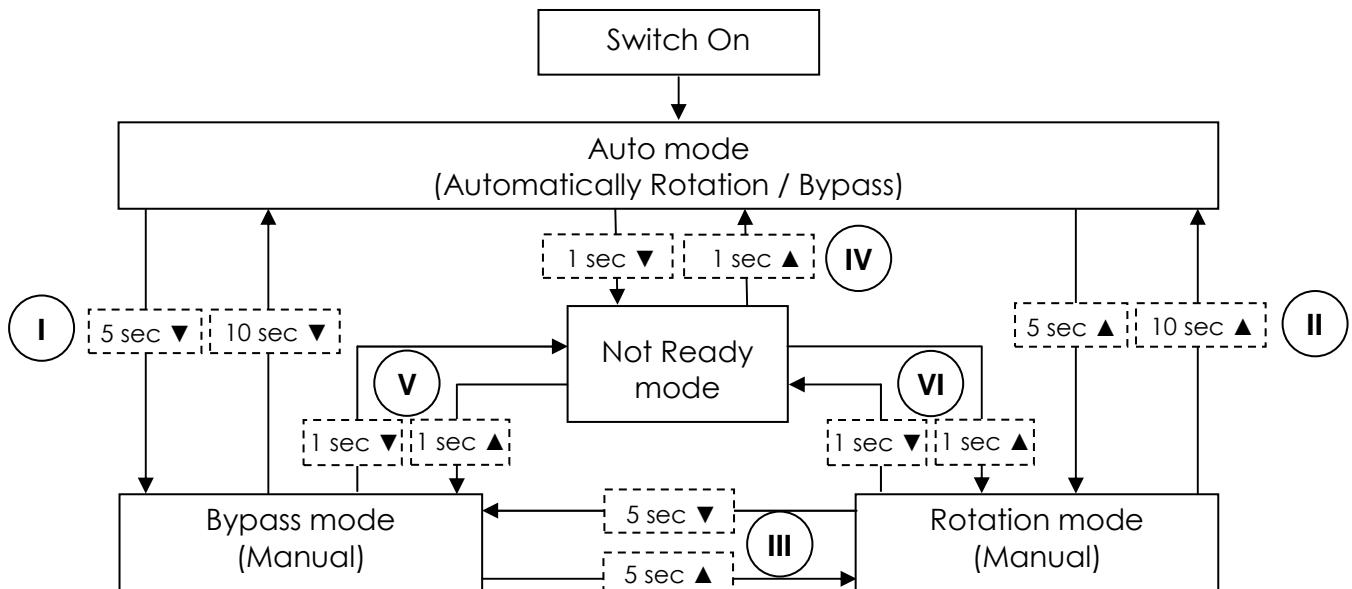
4. Operating (continued)

4.1 Preparing the Rotator Transport Module RTM (continued)

Select operation mode

I

Auto mode ⟶ Bypass mode
Press the Mode control button 4B ▼ for 5 seconds to select the Bypass mode.
(The lights (1 & 2) will blink and stop after 5 seconds, release the button)

Bypass mode ⟶ Auto mode
Press the Mode control button 4B ▼ for 10 seconds to select the Auto mode.
(The lights (1 & 2) will blink after 10 seconds, release the button)

II

Auto mode ⟶ Rotation mode
Press the Mode control button 4A ▲ for 5 seconds to select the Rotation mode.
(The lights (1 & 2) will blink and stop after 5 seconds, release the button)

Rotation mode ⟶ Auto mode
Press the Mode control button 4A ▲ for 10 seconds to select the Auto mode.
(The lights (1 & 2) will blink after 10 seconds, release the button)

III

Bypass mode ⟶ Rotation mode
Press the Mode control button 4A ▲ for 5 seconds to select the Rotation mode.
(Light 2 will switch over from Bypass mode to Rotation mode light 1)

Rotation mode ⟶ Bypass mode
Press the Mode control button 4B ▼ for 5 seconds to select the Bypass mode.
(Light 1 will switch over from Rotation mode to Bypass mode light 2)

IV

Auto mode ⟶ Not Ready
Press the Mode control button 4B ▼ for 1 seconds to select the Not Ready.
(Light 3 will switch on)

Not Ready ⟶ Auto mode
Press the Mode control button 4A ▲ for 1 seconds to select the Auto mode.
(Light 3 will switch off)

V

Bypass mode ⟶ Not Ready
Press the Mode control button 4B ▼ for 1 seconds to select the Not Ready.
(Light 3 will switch on)

Not Ready ⟶ Bypass mode
Press the Mode control button 4A ▲ for 1 seconds to select the Bypass mode.
(Light 3 will switch off)

VI

Rotation mode ⟶ Not Ready
Press the Mode control button 4B ▼ for 1 seconds to select the Not Ready.
(Light 3 will switch on)

Not Ready ⟶ Rotation mode
Press the Mode control button 4A ▲ for 1 seconds to select the Rotation mode.
(Light 3 will switch off)

4. Operating (continued)

4.2 Storage compartment

When you open the door you have access to the storage compartment. This compartment is to store supplies and spare parts for the printing system and finishing devices to make sure they are within reach.

⚠️ See Chapter 1 'Safety' for more information about how to use the storage compartment.

5. Maintenance

5.1 Storage compartment

To keep your supplies clean, dust off the inside of the RTM's storage compartment at least once every month and clean it with a moist cloth (marked area):

5.2 Belts

When finished sets have a slight smear or dust on them, clean the RTM's belts with a moist cloth (Marked area). The marked area below only marks the visible parts of the belts, turn the belts and make sure to clean all belts carefully.

5. Maintenance (continued)

5.3 Rotator unit ball

Sheets / sets are rotated by clamping one corner. If a clearly visible dot appears on the paper, clean the two sides of the Rotator unit balls.

⚠️ If there is still a visible dot on the paper, the Rotator unit ball needs to be re-adjusted by a qualified technician.
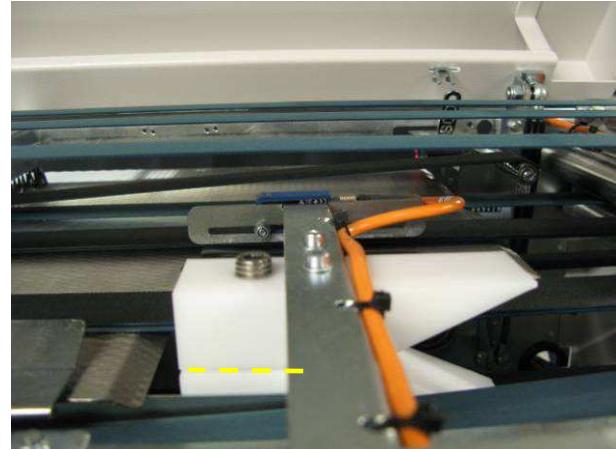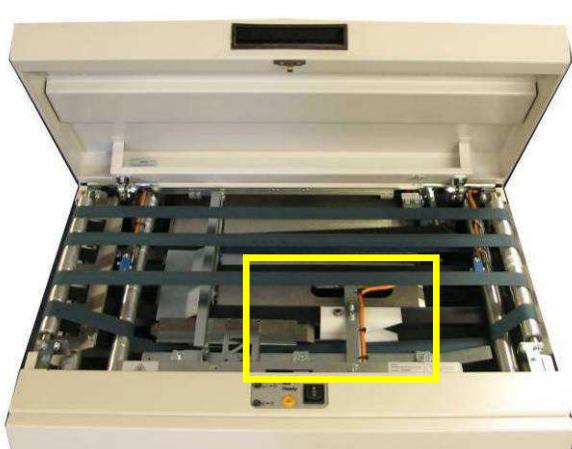
6. Problem solving

This chapter provides explanations of the status indicator light on the control panel and instructions for troubleshooting the various problems that may occur during the operation of the RTM.

6.1 "Not Ready" indicator light

The "Not Ready" indicator light comes on if an error has occurred in the RTM, or in one of the finishers placed behind the RTM.

Generally, "Not Ready" messages are displayed on all finishers before the finisher is having the error. This means that when an error occurs, it must be solved on the finisher last in line first.

If no additional errors are detected in the RTM, and all errors in finishers behind the RTM are solved, the RTM will automatically assume the "Ready" position, and will communicate correspondingly to the printer or other finishers before the RTM.

In short, this means that errors only need to be solved when the SDD module is actually having the error. All other modules will automatically detect when an error in another modules are cleared.

> To clear the "Not Ready" status of the RTM, press the Mode control button 4A ▲ **shortly**; After that, the "Not Ready" indicator light turns off and a green light will burn, depending on the desired operating mode.

6. Problem solving (continued)

## 6.2 Clearing paper jams

1. Open the top cover.

2. Pull the upper transporter belts towards the paper in feed (see yellow arrows).
    The jammed paper will move towards the paper output (see black arrow).

    ⚠️ If paper does not move towards the paper output, pull it between the belts carefully.
    After clearing a paper jam always check if the belts, including the drive belt (to the belt motor) are in place.
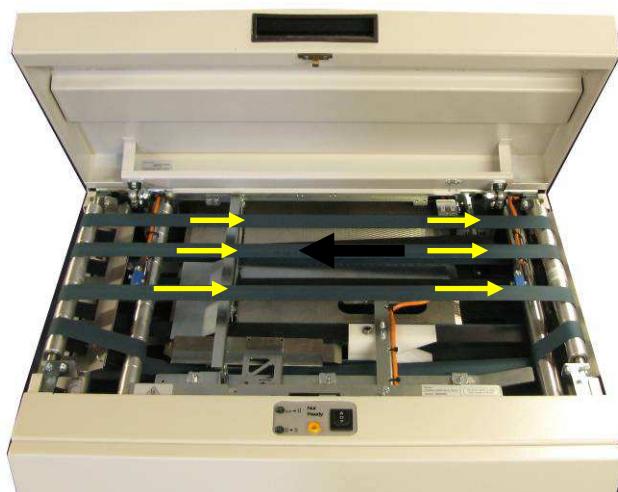
3. Close the top cover.

7. Technical information

Capabilities:

Compatibility:	Online RTM: BLM6700 System

Physical:

	Operational	On Pallet in box
Height	1070 mm	1570 mm
Width	670 mm	800 mm
Depth	680 mm	1200 mm
Weight	≈130 Kg	≈200 Kg

Paper specifications:

	Rotation enabled	Rotation disabled (bypass)
	A4, Letter, SRA4, 8,5x11″, 9x12″ (Short edge: 203mm-230mm, Long edge: 203mm-320mm)	A3, Ledger, SRA3, 11x17″ (Short edge: 203mm-320mm, Long edge: 203mm-508mm)
Paper Weight (min-max)	60 g/m^2 – 300 g/m^2	

Technical:

Noise Level (max)	70dB

Electrical:

Power source:	
50Hz:	220/230V, 2.0A
60Hz:	220/230V, 2.0A
60Hz:	100/110/120/127V, 4.0A (upon request)
Note:	The RTM only to be connected to an approved electrical system which is rated at a maximum of 16A and protected by circuit breakers.

Environmental:

Temperature Range	+15 – 30 °C
Humidity Range	30% – 60% RH

SDD

Smart Dedicated Design

Your Partner in Turnkey Solutions.