

Specifications

2015 Bobst Rotomec 4003 1000/350/C 7-color rotogravure printing press

Production speed: 350 m/min

Maximum printing width: 1025 mm

Maximum reel diameter: 1020 mm

Maximum reel weight: 2000 kg

Maximum core length: 1050 mm

Web width: 1000 mm

Web tension range: 4-50 daN

I.C.D.: 76 & 152 mm

Web material to be handled BOPA (min/max): 25 µm / 60 µm

Web material to be handled Paper (min/max): 30 g/m² / 100 g/m²

Total surface space L x W x H: 25.540 x 5.398 x 5.261 mm (with out thermal oil set-up)

The Bobst Rotomec 4003 1000/350/C 7-color rotogravure printing press consists of the following key elements:

1. Automatic turret unwinder
2. Pre-conditioning hood
3. In-feed tension nip unit
4. Gravure printing stations
5. Drying ovens
6. Web turn bars
7. Out-feed tension nip unit
8. Automatic turret rewinder
9. Additional equipment

1. Automatic turret unwinder

Type: SV320 HS

Max. reel diameter: 1300 mm

Max. Reel weight: 2000 kg

Max. Allowed reel off-round: +/- 5 mm

Max. Core length: 1050mm

Core material: cardboard

2. Pre-conditioning hood

3. In-feed tension nip unit

Driven roll diameter: 400 mm

Driven roll Material: chrome plated face

Covered nip diameter: 130 mm

Covered nip Material: rubber

4. Gravure printing stations

Max. Printing face length: 1100mm

Impression roller diameter: 160 mm

Impression roller rubber hardness: 80 +/- 2,5 shore A

Impression roller print pressure: max. 15 kg/cm

Doctor blade stroke: 0-5mm

Side register stroke: +/- 12.5 mm

Specifications

2015 Bobst Rotomec 4003 1000/350/C 7-color rotogravure printing press

5. Drying ovens

Amount: 7

Type: 2x 2v2200 (station 1 & 7), 5x v2200 (station 2-6)

Type 2v2200:

Number of zones: 2

Web path trough dryer: 4400 mm

Air flow rate: 134 nm³/min

Amount of slot nozzles: 20

Max. Air temperature: 140 °C

Air velocity: 35 m/s

Thermal power: 216.500 kCal/h

Type v2200:

Number of zones: 1

Web path trough dryer: 2200

Air flow rate: 67 Nm³/min

Amount of slot nozzles: 10

Max. Air temperature: 140 °C

Air velocity: 35 m/s

Thermal power: 108.200 kCal/h

Chill rolls diameter: 163 mm

Chill rolls material: aluminium

Chill rolls water flow rate: 1000 l/h

6. Web turn bars

7. Out-feed tension nip unit

Roll material: chrome plated

Controlled trough: dancer roller

8. Rewinder

Type: AV320 HS

Equipped with: cut-off raster knives

Maximum reel diameter: 1020 mm

Web tension range: 4-50 daN

Maximum reel weight: 2000 kg

i.C.D.: 76 & 152 mm

Maximum core length: 1050 mm

Core material: cardboard

9. Additional equipment

Heating:

Medium: thermal oil

Pressure: 3-3.5 bar

Min. Temperature: 230°C

Power supply: 400V

Compressed air pressure: min. 6 bar (machine), min. 20 bar (rotosleeve line)