

# Cubus

Version 2.2, March, 04, 2015

## Configuration

Standard Configuration	Cubus
Machine type	Standalone
Stacks	Flexible stacks for reel storing, adjustable by customer
Reel detection	Automatic diameter and width detection, automatic barcode detection
Control	PC, keyboard and LCD
Windows version	Windows 8.1
Database	Data access via Access table; Connection to existing SQL systems
Software	<ul style="list-style-type: none"> <li>Cubus control software</li> <li>Job planning software</li> <li>MSL tracking (<i>Moisture sensitivity level</i>)</li> <li>Bar code label designer and print software</li> <li>Component stock management software</li> <li>Software interface to eMIS planning and optimization system</li> <li>Adjustable operator language (English, German. Other languages on request)</li> <li>User group rights</li> </ul>
Environment	Temperature 15 - 30°C Relative humidity 10 - 60% Noise level 50dB
Other included items	Power connection cable

## Specifications

General	Regular	Large
Machine Dimensions	1110x1070x2500 mm (w x d x h)	1560x1070x2500 mm (w x d x h)
Packing Dimension	1300 x 1300 x 2550 mm (w x d x h)	1750 x 1300 x 2550 mm (w x d x h)
Weight	500 kg (without reels) Maximum reel weight: 3.5 kg	700 kg (without reels) Maximum reel weight: 3.5 kg
Power requirements	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
Power consumption	400W	400W
Required circuit breaker	10A	10A
Storage	4-7" reels: 8-72 mm tapes 11-15" reels: 8-72 mm tapes	4-7" reels: 8-72 mm tapes 11-15" reels: 8-72 mm tapes
Maximum capacity	4-7" reels: 612 or any mix of 4-15" reels up to 4-7" reels: 320 and 11-15" reels: 146 (8mm tape only)	4-7" reels: 932 or any mix of 4-15" reels up to 4-7" reels: 480 and 11-15" reels: 226 (8mm tape only)
Access time	9-11 seconds per reel	9-11 seconds per reel

**Air Dryer Required Air Quality (Cu-Dry)**

<b>General</b>	
Compressed air	6 bar Nominal air consumption of 6 m3/h and maximum air consumption of 18 m3/h.
Required Air Quality	The membrane dryer has an integrated nano filter. If the below specification for compressed air entering the membrane dryer are fulfilled the maintenance schedule can be optimized.
Air connection diameter	8mm
Class 1 Particulate	In each cubic meter of compressed air, the particulate count should not exceed 20,000 particles in the 0.1 - 0.5 micron size range, 400 particles in the 0.5 - 1 micron size range and 10 particles in the 1 - 5 micron size range.
Class 2 Water	A pressure dew point (PDP) of -40°C or better is required. No liquid water is allowed.
Class 1 Oil	In each cubic meter of compressed air, not more than 0.01mg of oil is allowed. This is a total level for liquid oil, oil aerosol and oil vapor.