

MHM iQ-OVAL CDS



The iQ-Oval CDS textile printing machine optimally combines **flexibility with outstanding economic advantages**. The machine comes with a servo-driven belt drive system (adapted and known from the SYNCHRO-PRINT SP5000), which has been tried and tested for years, guarantees **many years of maintenance-free operation**. This new drive system provides **smooth and precise movement** in either direction with excellent long term registration accuracy.



FEATURES AND BENEFITS MHM IQ-OVAL CDS

Tablet main control unit with WIFI connectivity	• MHM „pin-lock“ screen holding system	•
Self-diagnostic operating system	• Adjustable screen holders for various frame sizes*	•
Instant technical support via internet	• Individual screen lift (only screens in use move)	•
Online software updates	• Individual off-contact adjustment on all stations	•
Print job memory storage via main control unit	• Full micro-registration with zero starting position	•
Central drive system with belt drive	• Aluminium honeycomb pallets	•
Print start/finish and sample modes	• Push button super-fast pallet changeover	•
Production/batch counter	• Flash cure adjustments from main control unit	•
Skip/miss-loaded shirt button	• Foot pedal with start and hold functions	•
Pre-heat pallets function	• Single Index / Double Index Mode	•
Powerful AC electric drive print heads	• Adjustable index speed control	optional
Control keypad on every print station	• Laser positioning guides	optional
Individual 'chopper' squeegee system	• Smartphone / PC-app (links to tablet control)	optional
Quick release squeegees & floodbars	• U-clamp screen holders with pneumatic lock	optional
Squeegee arm lift for increased visibility	• Two job mode (print two jobs simultaneously)	optional
Independent flood/print speed controls	• High-lift stations for more flexibility	optional
Tool-free front/rear stroke length adjustment	• Power outlets (built-in) for flash / flock / foil	optional
Independent squeegee/floodbar angle adjustment	• No shirt skip sensor	optional
Squeegee pressure regulator on every station	•	

*All MHM machines are compatible with both standard and re-tensionable roller frames.



Specifications	45 x 55 cm	50 x 70 cm	70 x 100 cm	80 x 110 cm
Number of pallets			up to 60	
Max. number of print stations			up to 29	
Max. print area (cm / inch)	45 x 55 cm / 17.7 x 21.7"	50 x 70 cm / 19.7 x 27.6"	70 x 100 cm / 27.6 x 39.4"	80 x 110 cm / 31.5 x 43.3"
Width of machine (cm / inch)	360 cm / 141.7"	390 cm / 153.5"	430 cm / 169.3"	450 cm / 177.2"
Length of 10-table-machine (cm / inch)	630 cm / 248"	670 cm / 263.8"	770 cm / 303.2"	790 cm / 311"
additional length per 2 tables		110 cm / 43.3"		130 cm / 51.2"
Weight of 10-table-machine *)	1620 kg	1625 kg	1780 kg	1800 kg
additional weight of 2-step-section *)	270 kg	275 kg	310 kg	315 kg
Air consumption per print station (l/min)			30 (1.06 cfm)	
Air consumption per table (l/min)			5 (0.18 cfm)	
Air pressure (minimum)			8 bar / 116 psi (filtered, dry air supply only)	
Drive System			Central drive system	
Electrical supply			3 ph~210 / 400 V, 50 / 60Hz (+/-5%)	
Electrical requirement (per print station)			0.4 kW	
Electrical requirement main drive			3.0 kW	
Registration accuracy (mm / inch)			+/- 0.02 mm / +/-0.00079"	
Rec. frame profile (cm / inch)			4 x 4 cm / 1.57 x 1.57"	
Max. frame size (cm / inch)	66 x 100 cm / 26 x 39.4"	105 x 115 cm / 41.3 x 45.2"	105 x 144 cm / 41.3 x 56.7"	105 x 154 cm / 41.3 x 60.6"
Max. production capacity (pieces/h)	900 - 1600 (according to model / 2 job mode)			

*) Numbers excluding print stations. The external design and product specifications may change without prior notice due to improvements to the product performance.