iQ - Oval

Offering unbeatable versatility, expandability and operator safety, **"this revolutionary oval press"** with its intelligent chain-free drive system is the only serious choice for a growing business ...

NO CHAIN
No registration problems

MADE IN AUSTRIA

power your business

FEATURES AND BENEFITS

Tablet main control unit with WIFI connectivity	•	Independent squeegee/floodbar angle adjustment	•
Self-diagnostic operating system	•	Squeegee pressure regulator on every station	•
Instant technical support via internet	•	MHM 'pin-lock' screen holding system	•
Online software updates	•	Adjustable screen holders for various frame sizes*	•
Print job memory storage via main control unit	•	Individual screen lift (only screens in use move)	•
Revolutionary intelligent index drive system	•	Individual off-contact adjustment on all stations	•
Variable speed indexing (multi-directional)	•	Full micro-registration with zero starting position	•
Print start/finish and sample modes	•	Aluminium honeycomb pallets	•
Production/batch counter	•	Push button super-fast pallet changeover	•
Skip/miss-loaded shirt button	•	Flash cure adjustments from main control unit	•
Pre-heat pallets function	•	Foot pedal with start/stop/hold functions	•
Powerful AC electric drive print heads	•	Wireless safety system	•
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 for individual print heads	optional
Tool-free front/rear stroke length adjustment	•	Power outlets (built-in) for flash / flock / foil	optional

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

Specifications	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 48	
Max. print areas (cm / inch)	50 x 70 cm / 20 x 27,5"	70 x 100 cm / 27,5 x 39"	80 x 110 cm / 31,5 x 43"
Width of machine (cm / inch)	400 cm / 158"	420 cm / 166"	440 cm / 174"
Length of basic element (cm / inch)	730 cm / 288"	790 cm / 311"	810 cm / 319"
Length of 2-step-section (cm / inch)		260 cm / 102,4"	
Length of 3-step-section (cm / inch)		390 cm / 153,5"	
Weight of 2-step-section (kg / lbs)		550 / 1210	
Weight of 3-step-section (kg / lbs)		750 / 1650	
Weight of station (kg / lbs)	100	100	110
Air consumption per printstation (l/min)		30	
Air consumption per table (l/min)		15	
Air pressure (minimum)		8 bar / 116 psi (filtered, dry air supply only)	
Drive System		iDS intelligent drive system (individual drive on every pallet arm)	
Electrical supply		3 x 380 / 400V, 50/60Hz (+/-5%)	
Electrical requirement (per printstation)		0,4 kW	
Electrical requirement (per pallet)		0,11 kW	
Registration accuracy (mm / inch)		+/- 0,02 mm / +/-0,00078"	
Rec. frame profile (cm / inch)		4 x 4 cm / 1,57 x 1,57"	
Max. frame size (cm / inch)	105 x 115 cm / 41 x 45,2"	105 x 144 cm / 41 x 56"	105 x 154 cm / 41 x 60"
Production capacity (pieces/h)	1500	1380	1350