

# *iQ - Oval* & *iQ - Oval* *compact*

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 ...



*Single  
Drive*

**MADE IN  
AUSTRIA**



## FEATURES AND BENEFITS

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	•
Revolutionary intelligent index drive system	•	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	•	Wireless safety system	•
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	•	Automatic 'GOTO' registration system with job memory (Safe the actual screen positions for unlimited jobs)	optional

\*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)	370 cm / 145.7"	400 cm / 157.5"	420 cm / 165.4"	440 cm / 173.2"
Length of basic element (cm / inch)	640 cm / 252"	730 cm / 287.4"	790 cm / 311"	810 cm / 318.9"
Length of 2-step-section (cm / inch)	190 cm / 74.8"		260 cm / 102.4"	
Length of 3-step-section (cm / inch)	285 cm / 112.2"		390 cm / 153.5"	
Weight of basic element (kg / lbs)	1190 / 2620	1345 / 2970	1390 / 3060	1420 / 3130
Weight of 2-step-section (kg / lbs)	500 / 1100	595 / 1300	615 / 1360	630 / 1390
Weight of 3-step-section (kg / lbs)	750 / 1650	890 / 1960	920 / 2030	940 / 2070
Weight of station (kg / lbs)	90 / 198.5	100 / 220.5	100 / 220.5	110 / 242.5
Air consumption per printstation (l/min)			30 (1.06 cfm)	
Air consumption per table (l/min)			15 (0.53 cfm)	
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 ph-210 / 400 V, 50 / 60Hz (+/-5%)	
Electrical requirement (per print station)			0.4 kW / 0.6 kW (manual / automatic)	
Electrical requirement (per pallet)			0.11 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)			<b>1200 - 1800 (according to model / 2 job mode)</b>	