

OVAL SCREEN PRINTING MACHINE

iQ-oval IDS

THE WORLD'S SAFEST SCREEN PRINTING MACHINE



The iQ-Oval iDS redefines what safety means in screen printing. At its heart is the intelligent drive system (iDS), featuring independently driven tables that enable a truly groundbreaking safety concept. The machine instinctively senses resistance and stops immediately—protecting what matters most: your people.



ENHANCED WORKPLACE SAFETY

iQ-Oval iDS screen printing machine
Integrates cutting-edge safety system for minimum risk of injury.



INDEPENDENTLY OPERATED TABLES

Intelligent drives that protect people—minimizing risk and maximizing confidence on every shift.



UP TO 52 PALLETS



UP TO 29 COLOURS



www.mhmscreenprinting.com



High-Speed Performance. Built-In Safety.

The iDS intelligent drive system redefines high-speed movement by combining precision, power, and protection. Free from chains, belts, and bulky drive motors, it delivers smooth, controlled motion with remarkable accuracy—setting a new standard in modern automation.

What truly sets iDS apart is its instinctive safety response. The system detects resistance instantly and stops without delay, protecting both operators and machines. This smart reaction dramatically reduces risk and removes the need for additional safety barriers—creating a safer, more open, and user-friendly workspace.

Beyond safety, iDS is designed for effortless performance. Its precise bidirectional movement ensures consistent reliability, even at high speeds, enabling efficient workflows and maximum productivity across a wide range of applications. With the iDS intelligent drive system, speed and safety work in perfect harmony—giving operators confidence, comfort, and complete control.

Speed you can feel. Safety you can trust.

Specifications (per model)

	45 x 55 cm	50 x 70 cm	70 x 100 cm	80 x 110 cm
Max. print area	45 x 55 cm / 17 x 21 "	50 x 70 cm / 19 x 27 "	70 x 100 cm / 27 x 39 "	80 x 110 cm / 31 x 43 "
Width of machine	370 cm / 146 "	400 cm / 158 "	420 cm / 166 "	440 cm / 174 "
Length of basic element	640 cm / 252 "	730 cm / 288 "	790 cm / 311 "	810 cm / 319 "
Length of 2-step-section	190 cm / 75 "		260 cm / 103 "	
Length of 3-step-section	285 cm / 113 "		390 cm / 154 "	
Weight of basic element	1.190 kg / 2,620 lbs	1.345 kg / 2,970 lbs	1.390 kg / 3,060 lbs	1.420 kg / 3,130 lbs
Weight of 2-step-section	500 kg / 1,100 lbs	595 kg / 1,300 lbs	615 kg / 1,360 lbs	630 kg / 1,390 lbs
Weight of 3-step-section	750 kg / 1,650 lbs	890 kg / 1,960 lbs	920 kg / 2,030 lbs	940 kg / 2,070 lbs
Weight of station	90 kg / 199 lbs	100 kg / 221 lbs	100 kg / 221 lbs	110 kg / 243 lbs
Max. frame size	66 x 100 cm / 26 x 39 "	105 x 115 cm / 41 x 45 "	105 x 144 cm / 41 x 56 "	105 x 154 cm / 41 x 60 "

INDEPENDENT DRIVE & POWER SUPPLY

Individually driven turntables ensure smooth, reliable movement and maximum control at every station.

HIGH-SPEED PRECISION MOVEMENT

Seamless, accurate motion without chains or belts—delivering speed with absolute precision.

INSTANT COLLISION DETECTION & SAFETY

The system detects resistance immediately and stops—protecting operators, products, and the machine.

OPEN ACCESS, NO SAFETY BARRIERS

Intelligent safety design eliminates the need for physical barriers, creating a safer and more open workspace.

EASY MAINTENANCE & SERVICEABILITY

No central drive means faster, safer maintenance and reduced downtime.

SMART EFFICIENCY FEATURES

Functions like automatic skip mode and multi-job capability keep productivity high—even in non-standard setups.