

Synchroprint 5000

The iconic **Synchroprint 5000** offers the very best in technology, efficiency and sophistication making it **"the ultimate choice"** of screenprinting professionals around the world.



FEATURES AND BENEFITS

| | | | |
|---|---|---|----------|
| Precision crafted aluminium-steel construction | • | Independent squeegee/floodbar angle adjustment | • |
| Super-rigid pallet support arms for zero deflection | • | Squeegee pressure regulator on every station | • |
| 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 | • | Electronic centralised off-contact adjustment | • |
| Online software updates | • | Full micro-registration with zero starting position | • |
| Print job memory storage via main control unit | • | Aluminium honeycomb pallets | • |
| High-speed AC/Servo electric index movement | • | Push button super-fast pallet changeover | • |
| Single/double index (in both directions) | • | Flash cure adjustments from main control unit | • |
| Print start/finish and sample modes | • | Foot pedal with start and hold functions | • |
| Production/batch counter | • | Safety system (bars) | • |
| Skip/miss-loaded shirt button | • | Adjustable index speed control | optional |
| Pre-heat pallets function | • | Laser positioning guides | optional |
| Powerful AC electric drive print heads | • | Smartphone / PC-app (links to tablet control) | optional |
| Control keypad on every print station | • | U-clamp screen holders with pneumatic lock | optional |
| Individual 'chopper' squeegee system | • | Multiprint function | optional |
| Quick release squeegees & floodbars | • | Vacuum pallet system | optional |
| Squeegee arm lift for increased visibility | • | Individual off-contact adjustment | optional |
| Independent flood/print speed controls | • | Automatic 'GOTO' registration system with job memory (Saves the actual screen positions for unlimited jobs) | optional |
| Tool-free front/rear stroke length adjustment | • | | |

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



| Specifications | SP 08 | SP 10 | SP 12 | SP 14 | SP 16 | SP 18 | SP 20 |
|--|--|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| Number of pallets | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| Max. number of print stations | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| Available print areas (cm / inch) | 50 x 70 cm / 19.7 x 27.6" | | | | | | |
| | 70 x 100 cm / 27.6 x 39.4" | | | n.a. | | n.a. | n.a. |
| | 80 x 110 cm / 31.5 x 43.3" | | | n.a. | | n.a. | n.a. |
| Max. diameter: 50 x 70 cm / 19.7 x 27.6" print size | 505 cm / 198.8" | 505 cm / 198.8" | 555 cm / 218.5" | 600 cm / 236.2" | 640 cm / 252" | 690 cm / 271.7" | 735 cm / 289.4" |
| Max. diameter: 70 x 100 cm / 27.6 x 39.4" print size | 575 cm / 226.4" | 625 cm / 246.1" | 685 cm / 269.7" | 735 cm / 289.4" | n.a. | n.a. | n.a. |
| Max. diameter: 80 x 110 cm / 31.5 x 43.3" print size | 635 cm / 250" | 675 cm / 265.7" | 740 cm / 291.3" | n.a. | n.a. | n.a. | n.a. |
| Height of machine (cm / inch) | 185 cm / 72.8" | | | | | | |
| Weight of machine (kg / lbs) | 2100 / 4630 | 2300 / 5070 | 2550 / 5620 | 2740 / 6040 | 3150 / 6950 | 3640 / 8030 | 3890 / 8580 |
| Air consumption (l/min) | 190 (6.7 cfm) | 220 (7.7 cfm) | 250 (8.8 cfm) | 280 (9.9 cfm) | 310 (10.9 cfm) | 340 (12.0 cfm) | 370 (13.1 cfm) |
| Rec. capacity of air supply (l/min) | 500 | 550 | 550 | 600 | 650 | 650 | 700 |
| Air pressure (minimum) | 8 bar / 116 psi (filtered, dry air supply only) | | | | | | |
| Drive System | AC-Servo drive indexer / electrical squeegee drive | | | | | | |
| Electrical supply | 3 ph-210 / 400 V, 50 / 60 Hz (+/-5%) | | | | | | |
| Electrical requirement (indexer) | 2.5 kW | | | | | | |
| Electrical requirement (per print station) | 0.4 / 0.6 kW (manual / automatic) | | | | | | |
| Registration accuracy (mm / inch) | +/-0.02mm / +/-0.00079" | | | | | | |
| Rec. frame profile (cm / inch) | 4 x 4 cm / 1.57 x 1.57" | | | | | | |
| Max. frame size: 50 x 70 cm / 19.7 x 27.6" | 75 x 112 cm / 29.5 x 44.1" | | | | | | |
| Max. frame size: 70 x 100 cm / 27.6 x 39.4" | 91 x 144 cm / 35.8 x 56.7" | | | | | | |
| Max. frame size: 80 x 110 cm / 31.5 x 43.3" | 105 x 154 cm / 41.3 x 60.6" | | | | | | |
| Max. production capacity (pieces/h) | 900-1400 (according to model) | | | | | | |