



# Hybrid Printers

Print It All – Rigid or Roll



**RH98** (98 inch wide)



**RH63** (63 inch wide)



**ZH126** (126 inch wide)

## Technology

- Ricoh Gen6 or Kyocera printheads
- Speeds up to 2842 sq ft/hr or 60, 8ft x 4ft boards/hr (bph)
- CMYK Ink Sets with White and Varnish options
- Single, Double, Triple Row, and Symmetrical printhead configurations
- Robust Industrial Design
- Water-cooled, LED curing technology
- Max substrate thickness of 2 inches
- Field Upgrade options for increased print speeds
- White Ink pigment dispersion system

## Features

- Rigid or Roll-to-Roll Printing
- Media Tables for Board Printing
- Easy to use TopJet Print Controller
- Retractable Registration Bar for rigid media positioning
- Independently controlled vacuum zones to maximize substrate hold down power
- Automatic Media Thickness measuring
- Crash bars to protect the printheads
- Automatic print cycle printing to maximize throughput
- Static suppression system
- Color/White/Color Printing Options

## Support

- 3 year Parts / 1 year Labor Warranty
- Final Assembly, Integrations & Quality Control in the US
- Custom Media Presets are created and shipped with each printer
- Advanced Operator Classes available
- Compatible with Onyx, Caldera, and other 3rd party RIPs

| Model                | RH63                                                                                                                                             | RH98                                                                                                                                            | RH126                                                                                                                                           | ZH126                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Chassis              |                                                                 |                                                                |                                                               |                                                                 |
| Printhead            | Ricoh Gen6                                                                                                                                       | Ricoh Gen6                                                                                                                                      | Ricoh Gen6                                                                                                                                      | Kyocera                                                                                                                                            |
| Number of Printheads | 2-8<br>(Double & Triple row)                                                                                                                     | 2-10<br>(Double & Triple row)                                                                                                                   | 2-10<br>(Double & Triple row)                                                                                                                   | 4-10<br>(DR, Symmetrical Array)                                                                                                                    |
| Print Speeds         | <b>2p-Express @</b><br>620 sq ft/hr or 16 bph<br><b>6p-Outdoor @</b><br>330 sq ft/hr or 9 bph<br><b>12p-Quality @</b><br>159 sq ft/hr or 4.5 bph | <b>2p-Express @</b><br>697 sq ft/hr or 20 bph<br><b>6p-Outdoor @</b><br>441 sq ft/hr or 12 bph<br><b>12p-Quality @</b><br>241 sq ft/hr or 7 bph | <b>2p-Express @</b><br>815 sq ft/hr or 20 bph<br><b>6p-Outdoor @</b><br>491 sq ft/hr or 12 bph<br><b>12p-Quality @</b><br>253 sq ft/hr or 7 bph | <b>2p-Express @</b><br>2848 sq ft/hr or 60 bph<br><b>6p-Outdoor @</b><br>1073 sq ft/hr or 27 bph<br><b>12p-Quality @</b><br>482 sq ft/hr or 12 bph |
| Addressability       | up to 1200 x 2400 dpi                                                                                                                            |                                                                                                                                                 |                                                                                                                                                 | up to 3600 dpi                                                                                                                                     |
| Max Printing Width   | 1.6 m (62.99 in)                                                                                                                                 | 2.5 m (98.42 in)                                                                                                                                | 3.2 m (125.98 in)                                                                                                                               |                                                                                                                                                    |
| Max Thickness        | 50 mm (1.96 in)                                                                                                                                  |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                    |
| Ink Technology       | UV Curable Inks, VOC Free                                                                                                                        |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                    |
| Ink Set              | CMYK+Optional White & Varnish                                                                                                                    |                                                                                                                                                 |                                                                                                                                                 | CMYK+Optional White                                                                                                                                |
| Ink Curing           | Water Cooled, LED Lamps                                                                                                                          |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                    |
| Extension Tables     | Included with Printer                                                                                                                            |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                    |
| Printer Size         | W: 138 in x L: 35 in x<br>H: 53 in                                                                                                               | W: 190 in x L: 41 in x<br>H: 56 in                                                                                                              | W: 218 in x L: 62 in x<br>H: 58 in                                                                                                              | W: 218 in x L: 62 in x<br>H: 70 in                                                                                                                 |
| Min. Operating Area  | W: 186 in x L: 143 in                                                                                                                            | W: 238 in x L: 149 in                                                                                                                           | W: 266 in x L: 170 in                                                                                                                           |                                                                                                                                                    |
| Printer Weight       | 1676 lbs                                                                                                                                         | 1940 lbs                                                                                                                                        | 6107 lbs                                                                                                                                        | 6768 lbs                                                                                                                                           |
| Crated Weight        | 2579 lbs                                                                                                                                         | 3042 lbs                                                                                                                                        | 6945 lbs                                                                                                                                        | 7871 lbs                                                                                                                                           |
| RIP Compatibility    | Caldera, Onyx and other Third-party RIPs                                                                                                         |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                    |
| Printer Power        | Single Phase, 220 volt, 30 amp<br><small>(One or Two Circuits required depending on Model)</small>                                               |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                    |
| Chiller Power        | Single Phase, 220 volt, 20 amp                                                                                                                   |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                    |
| Environment          | Conditions for Optimal Print Quality: Temperature: 68° - 78° F, Relative Humidity: 40% - 60%                                                     |                                                                                                                                                 |                                                                                                                                                 |                                                                                                                                                    |