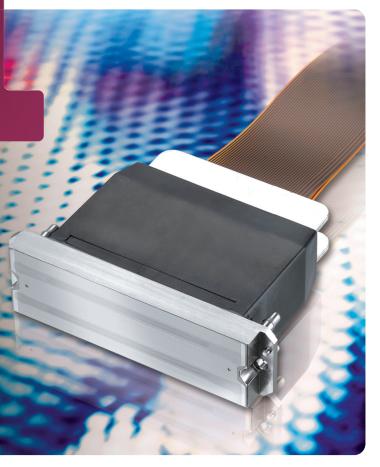
Industrial Inkjet



RICOH MH5421/5441



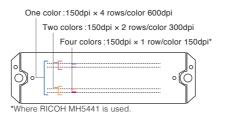


Single-pass 600 dpi high-resolution printing and support for multiple ink colors

With 1,280 nozzles configured in 4 x 150 dpi rows, this head achieves high-resolution 600 dpi printing. Isolated ink paths enable a single printhead to jet up to two ink colors.

Excellent durability and extended service life

Ricoh inkjet print heads are made of stainless steel. These heads are highly robust and offer excellent anti-corrosion properties for multiple inks, resulting in excellent durability and extended service life.



Support for aqueous ink

These printheads are dedicated to aqueous ink and suitable for applications such as textiles and labels. Additionally, the ink path is isolated from the actuator (piezo elements), i.e. no ink contact.

Support for gray-scale

Achieves excellent gray-scale rendering at up to 4 levels.

Variable drop volume capability

The multi-drop capability allows the creation of a range of drop sizes enabling gray-scale printing.

Inkjet head with support for multiple nozzles and colors (Enhanced aqueous lnk compatibility)

Choose from two-color or four-color models to suit your application.

RICOH MH5421(2 color model)



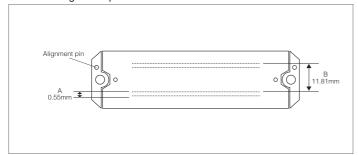
RICOH MH5441(4 color model)



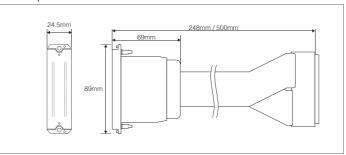
| | RICOH MH5421 | RICOH MH5441 | | | |
|--------------------------------------|---|--------------------------|--|--|--|
| Method | Piston pusher with metallic diaphragm plate | | | | |
| Print Width | 54.1mm | | | | |
| Number of nozzles | 1280 (4 x 320 channels), staggered | | | | |
| Nozzle spacing | 1/150" (0.1693mm) | | | | |
| Nozzle spacing (Row to row distance) | A: 0.55mm B:11.81mm (See illustration below) | | | | |
| Max. number of color inks | 2 colors | 4 colors | | | |
| Compatible ink | Aqueous ink | | | | |
| Operating temperature range | Up to 50°C | | | | |
| Temperature control | Integrated heater and thermistor | | | | |
| Jetting frequency | 30kHz | | | | |
| Drop volume | 7/14/21pl (depending on the ink) | | | | |
| Viscosity range | 11mPa·s | | | | |
| Gray-scale | 4 levels (depending on the ink characteristic) | | | | |
| Total length | 248mm (Cable length:179mm) | 500 (Cable length:431mm) | | | |
| Total printhead dimensions | $89(W)\times 69(D)\times 24.51(H)mm eq:equation:eq$ | | | | |
| Weight | 155g *excluding cables & connectors | | | | |

 $^{^{\}star}$ Results obtained from continuous jetting test using standard Ricoh test fluid.

■ Nozzle Alignment pin



■ Total printhead dimensions



- -Product appearance and specifications may be changed without prior notice for improvement purpose.
- -Company and product names are trademarks or registered trademarks of their respective companies
- -Please contact your sales representative for details on performance, specifications, and restricting conditions, etc



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