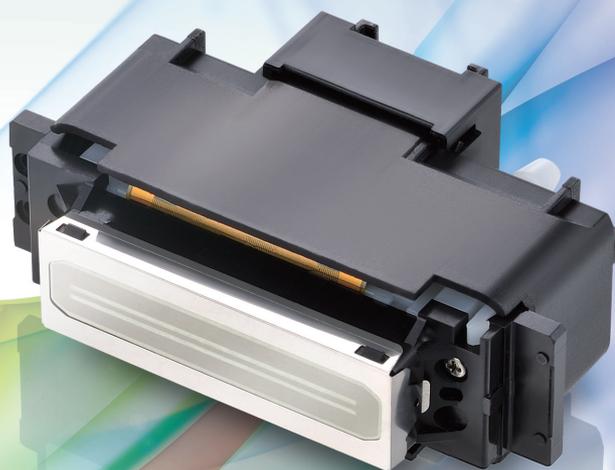


Industrial Inkjet

# RICOH GH2220

**RICOH**  
imagine. change.

**Silicon based Print Head Technology**  
Delivering excellent cost performance  
for sign graphics, textile and coding  
and marking Markets.



**Expanding industrial opportunities  
with new precision fabricated silicon range.**

Introducing the new GH Print Head to complement Ricoh's stainless steel MH series Print Head family. The GH Print Head is a result of over 10 years of Ricoh research and manufacturing optimization and is now made available for OEMs to incorporate in their aqueous and solvent ink based printer offerings.



\* Image of printed results

**Supports  
water and solvent based inks.**

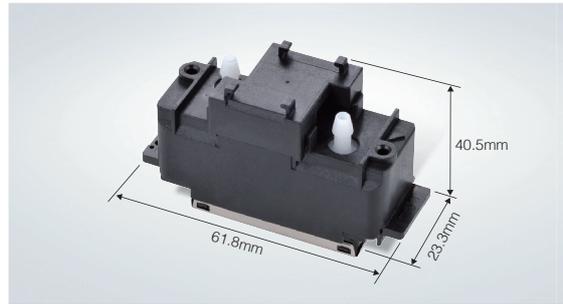
In addition to water-based inks, these print heads support solvent inks as well.

**Multi-drop technology enables  
gray scale expressions**

These print heads support multi-drop-based droplet control for instantly consolidating the ink that is discharged from the nozzle at high speeds before it reaches the surface of the medium. Droplet volume control enables full control of ink discharge from small to large droplets.

# Expanding industrial opportunities with new precision fabricated silicon range.

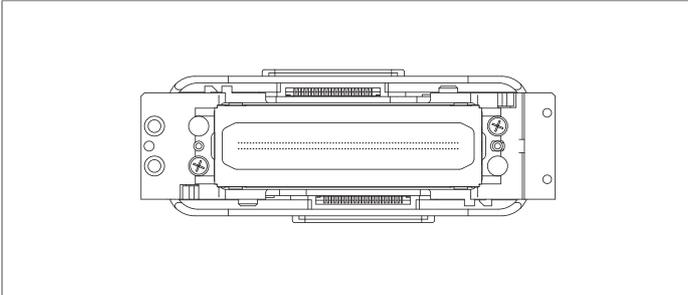
## GH2220



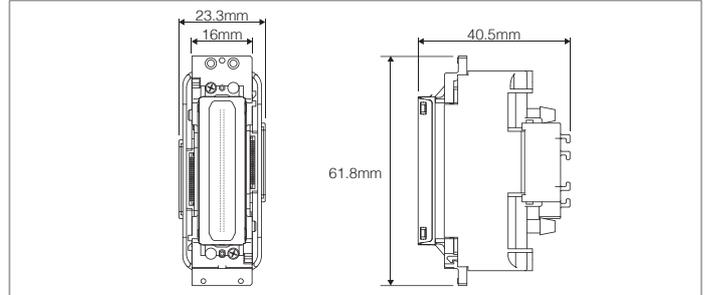
GH2220	
Method	Piston pusher with metallic diaphragm plate
Print Width	32.4 mm (1.28")
Number of nozzles	384
Nozzle spacing (Within a row)	1/150" (0.1693 mm)/row
Nozzle spacing (Row to row distance)	0.931 mm
Compatible ink	Aqueous, Solvent
Total printhead dimensions	61.8(W) x 40.5(D) x 23.3(H) mm (2.43" x 1.59" x 0.92")
Weight	36 g
Ink colors supported	2 colors
Temperature around the head	10-32°C
Temperature control	No heater or thermistor
Life	30 billion actuations per nozzle
Jetting frequency	Binary mode : 30kHz / Grey-scale mode : 24kHz
Drop volume	Binary mode : 3-5pl / Grey-scale mode : 21±2pl *depending on the ink
Viscosity range	6-16 mPa·s
Surface tension	25±1mN/m
Maximum gray scale	4 levels * depends on ink characteristics
Alignment mechanism	Frame-abutting

\* Results obtained from continuous jetting test using standard Ricoh test ink.

### ■ Nozzle



### ■ External dimensions



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- Please contact your sales representative for details on performance, specifications, and restricting conditions, etc.

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● Inquiries and orders: