

Shutter printhead



Self-sealing printhead

- Intelligent nozzle shutter head
- Nozzle plate of the printhead closes by itself
- Prevents ink from drying during printhead downtimes
- Surrounding housing and closure of the nozzle plate serve as dust protection
- Print heights up to 12.5 mm
- Also available as Twin printhead up to 25 mm print height



Further information under:
www.markoprint.com/shutter



IQ System-Add-Ons

Watch out for dust and thick air! These are the enemies of thermal inkjet ink cartridges, because they clog the print nozzles and cause ink to dry out. The result is a bad print image. The solution is the industry-standard HP self-sealing printhead for Markoprint print systems.

Printing systems, such as the X2JET, X4JET, integra Quadro and integra Quadro2, which have proven themselves in industry over several years, have been expanded to include additional components. By connecting the shutter printhead to these printing systems, we are responding to the special requirements of the various industrial sectors in order to increase and ensure product quality.

The shutter printhead represents an extension according to IP40 standard, but without a "cleaning function". The printhead for the proven HP cartridges with the robust surrounding housing as well as the automatic shutter of the nozzle plate is designed in such a way that no dust can penetrate or settle. The slim design and industrial suitability also speak in favor of the nozzle shutter head.

General information	
Printing technology	Thermal Inkjet Technology
Supported printing technologies	HP
Max. number of printheads	1
Max. number of production lines	1
Length	281 mm
Width	60 mm (incl. deflector)
Height	102 mm (205,5 mm with open cap)
Protection class	IP40

Performance data	
Cable length in m:	
Printhead cable	3
Max. length printhead cable HP	13
Max. length connection cable	5
Max. length sensor cable	5
Time to open	ca. 1,5 seconds
Time to close	ca. 1,5 seconds
Distance pre-pulse	4 seconds
Max. print height in mm	25
Max. print resolution in dpi	900
Max. print speed in m/min:	
HP at 300 dpi	90
HP at 300 dpi HiSpeed	180
Recommended for barcodes	max. 60
Print direction	L/R or R/L, from top or side. Print from bottom is not possible

Technical changes reserved at any times



Print brilliantly, under all circumstances

If production is at a standstill, the shutter printhead automatically retracts the cartridge inwards after a precisely defined time and closes the open nozzle plate. This prevents the ink from drying out, especially fast-drying inks, during the downtimes of the printhead. The cartridge does not need to be cleaned in between or removed during downtimes. As soon as the restart of the production line is detected by a light barrier and signaled to the printhead, the shutter moves the cartridge back into the printing position and printing continues in the usual very high quality. Spitting for a clean ink restart is not necessary.

In addition to a Shutter Single printhead with a print height of 12.5 mm, a Shutter Twin printhead up to 25 mm is also available to achieve higher print heights.

Weber Marking Systems GmbH

Headquarter: Maarweg 33 • D-53619 Rheinbreitbach

Tel: +49 (0) 2224/7708-0 • Fax: +49 (0) 2224/7708-20

info@weber-marking.com • www.weber-marking.com