

integra Ultimate



Evolution in production

- Patented nozzle sealing head
- Integrated cleaning function of the nozzle plate every time the printhead is opened and closed
- 1" (25 mm) print height
- Also available as Twin application up to 50 mm print height
- Use in dusty and humid production environments
- Error-free prints even after several days of downtime without spitting or cleaning the nozzles



Further information under:
www.markoprint.com/iultimate



Perfect reprinting behaviour after longer downtime

The Markoprint integra Ultimate is a patented nozzle sealing head with HP technology. With print heights of up to 25 mm and IP65 protection, this print head solves entirely new marking tasks.

Cleaning the environment has no effect on the print head or ink cartridge, so clean marking is guaranteed. This makes it ideal for marking tasks in wet-cleaned or dusty production environments, such as those found in the woodworking or food industries.

Since the printhead closes itself when not in use and automatically cleans the nozzle plate each time it closes and opens, it is always ready for use again, even after a break. This means that the integra Ultimate also scores points in the pharmaceutical industry or in integrated systems, because in closed or difficult-to-access systems the cartridges can thus simply remain in the print head during longer downtimes and do not have to be removed. After a production stop of several days, error-free printing can be carried out without having to wipe the cartridge or carry out spitting beforehand.

General information	
Printing technology	Thermal Inkjet Technology
Supported printing technology	HP
Max. number of printheads	1
Max. number of production lines	1
Length	200 mm
Width	132 mm (incl. deflector)
Height	116 mm (194,1 mm with open cap)
Protection class	IP65

Performance data	
Cable length in m:	
Print head cable	3
Max. length Print head	13
Max. length control 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



IQ System-Add-Ons

DPrinting 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 integra Ultimate to these printing systems, we are responding to the special requirements of the various industrial sectors in order to increase and secure product quality. The unique functionality of the integra Ultimate increases the open times of the inks immensely: With the right ink from Markoprint, even up to more than 72 hours of open time are possible (instead of 15 minutes with common printheads)!

To achieve higher print heights, the integra Ultimate is also available as a twin printhead with print heights of up to 50 mm.

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