



Morlock

MKM

SERIES

The Exclusive

MKM 80 4.0
MKM 125 4.0
MKM 80 4.0 Multipos.
MKM 125 4.0 Multipos.

MKM – The Exclusive

With the proven carousel principle, the MKM series guarantees precision with a high printing performance in multicolor pad printing.

The MKM can be customized on request. For example, the MKM can be extended by an optical quality control or an optical positioning system.

Your MORLOCK team will be happy to advise you!



The MKM in action:

www.morlock.de/videos/MKM



At a glance!

- ✓ single or multi-color printing with **up to five colors** possible
- ✓ **Multi-Speed-Function** (the speed between the ink feeders can be set individually)
- ✓ **automatic** pad cleaning
- ✓ intuitive, color, multilingual user **interface** with 4" touchscreen
- ✓ closed color control system **MORLOCK MCI** (patented)
- ✓ as manual workstation or **integration in existing automations**
- ✓ individually **expandable** as needed
- ✓ 20 memorizable **programs**

	MKM 80 4.0 / Multipos.	MKM 125 4.0 / Multipos.
Cliché size	90 x 165 mm	150 x 280 mm
Print image size max.	Ø 56 mm	Ø 105 mm
Pad stroke	80 mm	115 mm
Pad height adjustment	50 mm	100 mm
Printing force, max.	1500 N (150 kp)	4500 N (450 kp)
Printing capacity, max.	800 parts / hour four-color, infinitely variable	600 parts / hour four-color, infinitely variable
Drive	electromechanical	electromechanical
Control	SPS SIEMENS S7	SPS SIEMENS S7
Mains connection	230 V ~ 50/60 Hz / 400 V ~ 50/60 Hz	400 V ~ 50/60 Hz
Control voltage	24 V	24 V
power consumption	approx. 700 W / ca. 2.200 W	approx. 1.500 W / ca. 3.000 W
Weight	approx. 450 kg / ca. 550 kg	approx. 1.500 kg / ca. 1.600 kg
Dimensions*	approx. 1425 x 920 x 1700 mm / per use	approx. 1820 x 1350 x 2160 (2910) mm / per use

* Width x depth x height with full protective enclosure and side-mounted, swiveling control panel..



Large Printing Images

The MKM 125 offers highest precision and printing performance based on parallel workflows. Print images up to $d=105$ mm can be applied in multiple colors in the highest quality thanks to flexible application capability. The MKM 125 can be configured in the same way as the MKM 80.



Multipositioning

The flexible Multi-Positioning System offers X-Y angle position correction. This ensures optimum adjustment of print position and register correction. Different positions can be stored separately for each workpiece. This eliminates the need for readjustment after a workpiece change. The system is also suitable for printing large workpieces, as different positions can be approached.



Patented MCI-Ink Cup

The closed MORLOCK MCI inking system enables longer printing life, reduced set-up times and all-round simpler handling. Reduced spare parts requirements are achieved through replaceable doctor rings made of carbide or ceramic. Radial fixation of the ink cups in the MKM series means that the doctor rings wear more evenly, thus increasing the durability of the rings.



Optical cliché adjustment

Manual optical cliché adjustment is ideal for a wide range of products and many print image variants. This system is also ideal for complex print images, such as 4-color halftone printing. Without a great deal of time (85% time savings) and without proofing, this system makes it possible to perfectly match different clichés.

THINK COLORFUL

IN PAD PRINTING OR
DIGITAL PRINTING

More information at:
morlock.de



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