



WARP KNITTING

HKS 3-M ON

Bringing progress to our customers with our HKS 3-M ON.

High machine performance combined with newest technologies to improve usability and competitiveness of our customers.

Your benefit



State-of-the-Art Technology

Innovative features to increase sustainability, the efficiency of your production and reduce operating costs



ON – Pattern Drive

Unlimited patterning possibilities with the best possible production speed, to master the challenges with increased flexibility



Cloud Solution

Connecting your machines is the entrance into the benefits of the KARL MAYER digital world, to increase your profitability, productivity and competitiveness.

HKS 3-M ON

Technical data

Working width / Gauge

130", 180", 210", 238", 280"
E 28, E 32

KAMCOS® 2 (KARL MAYER COMMAND SYSTEM)

Single Speed

Bars/knitting elements

Individual needle bar (synchronously milled), tongue bar (synchronously milled), sinker bar with knockover adjustment (chromium-plated sinkers), three ground guide bars (GB 1 up to GB 3 stitch-forming, shog-up to 25 mm, 2" Guide Needle Segments). All the bars are made of carbon fiber reinforced plastic.

Integrated lighting

Functional LED lighting, for uniform lighting of the knitting area and signaling of unplanned machine stops, controlled by KAMCOS®2.

Pattern drive – ON

Pattern data to be downloaded from myKM.ON cloud via k.ey (not included). Operation by k.innovation CORE lite. Spring motion assistant for quick, easy and safe guide bar change. We recommend a hand operating panel for adjusting the guide bars.
(Available in the accessories)

Pattern drive equipment

One electronic drive for each guide bar including patented retractor one set of pattern data per GB-position to be selected from a predefined list and downloaded from KARL MAYER cloud.

Warp beam support (3×32")

Free-standing – three warp beam positions for sectional beams of 812 mm (32 inches) flange diameter and having a length of 540 mm (21.3") or 1090 mm (42.9").

Moveable ladder

Moveable ladder for improved accessibility to clamping positions and easier beam change.

Fabric take-up

Electronically controlled fabric take-up, driven by geared motor, consisting of: four rollers (roller A = 156.6 mm + rollers B and C = 118.6 mm + roller D = 55.6 mm); all rollers in continuous execution; rollers A, B, C and D coated with black grip tape.

Integrated Laserstop

Yarn breakage monitoring system (ILS) for early detection of broken ends. Laser light barrier for three ground guide bars, GB 1 to GB 3. Sensitivity adjustable and storable by KAMCOS®2.

Integrated Camera

The camera position is located above the fabric. Fabric monitoring system (ICS) for early detection of fabric faults, at plain fabrics. Monitoring area and sensitivity adjustable and storable by KAMCOS®2. Additional lighting below the fabric.
(Not available for 290")

Interface for batching device

Interface for batching devices, with start/stop signal and power supply.

Height and depth

1 × 1016 mm ø
3 × 812 mm ø

