



WARP KNITTING
经编机

HKS 3-M ON PLUS

High-performance tricot machine with highest possible variety in mesh density and layers with “PLUS Equipment”. Extended sinker movement for high flexibility in patterns.
配备PLUS Equipment的高性能特里科经编机，拥有更广泛的线圈密度可调范围，优化的沉降摆臂调节区间，更佳的产品灵活性

Your benefit / 您的优势



State-of-the-Art Technology

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

先进的技术

创新的机器特征提高了可持续性、生产效率，降低了运营成本



ON – Pattern Drive

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

ON—提花机构

广泛的花型可能性配合最佳的生产速度，以提高灵活性，应对挑战



End Applications

Extended range of end application possible such as the production of square marquisette and shoe fabrics, also for rougher gauges

终端应用

更广泛的终端应用，例如方格网和鞋材，也可用于粗机号

HKS 3-M ON PLUS

Technical data

技术参数

Working width / Gauge

130", 180", 210"
E 14 – E 28

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.

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.

Interface for batching device

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

工作门幅 / 机号

130英寸, 180英寸, 210英寸,
E 14 – E 28

卡迈酷斯®2 (卡尔迈耶控制系统) 单速

床体/成圈机件

同步铣削的嵌入式针床和针芯床, 脱圈深度可调的沉降片床 (镀铬的沉降片), 三把地梳 (GB 1到GB 3) 成圈, 累积横移距离达到25毫米, 2"导纱针) 所有床身均采用碳纤维增强塑料

集成的照明系统

功能性的LED照明, 为编织区域提供统一的照明, 对非计划性的停机发出信号, 由卡迈酷斯®2控制

提花机构——ON

通过 k.ey (选配) 从 myKM.ON 云端下载花型数据。通过 k.innovation CORE lite 进行垫纱编辑。电子控制的梳栉装卸辅助单元可让您快速、简便、安全地更换梳栉。

提花机构

每把梳栉都是电机驱动, 均能从卡尔迈耶云端下载优化过的花型数据

经轴架 (3×32")

3 × 812 (32") (独立式), 边盘长度为540 mm (21.3英寸) 或1090 mm (42.9英寸)

可移动的梯子

可移动的梯子让盘头更换和轴头锁紧更加便捷

牵拉机构

电子控制, 由电机传动, 包括4个罗拉, 罗拉A = 156.6 mm 罗拉B和C = 118.6 mm + 罗拉D = 55.6 mm); 连续执行, 均包覆黑色包布

集成的断纱自停装置

纱线断裂监测系统 (ILS) 用来监测早期的纱线断头。GB1-GB3, 3把梳栉都配有激光自停, 并附带吹风系统。可以通过卡迈酷斯®2控制系统对激光自停灵敏度进行调节和数据存储

集成照相系统

相机的位置在面料的上方。面料监测系统 (ICS) 用来监测坏布疵点。可以对监控区域和灵敏度进行调整和数据存储。额外的照明位于布面下方。

卷取机构的控制界面

通过操作界面来控制卷取

