

WARP KNITTING  
经编机

## HKS 4-M EL

### High-performance tricot machine with the most flexibility 极具灵活性的高性能特里科经编机

#### Your benefit

- The HKS 4-M EL is particularly characterized by its high flexibility and efficiency
- The Spring Motion Assistant allows a quick, easy and safe change of guide bars without tools
- Improved warp beam support – easy and safe access to warp beam clamping positions through moveable ladders with multiple connecting positions on the front side of the machine and additional platform on the right side of the machine.
- Direct drive system for improved maintenance costs and less energy consumption
- Adjustable yarn tension spring – the stiffness of the tension rails can be easily adjusted to improve handling of the machine and fabric quality without changing the tension springs

#### 您的优势

- HKS 4-M EL的特点是高度的灵活性和效率
- 梳栉拆卸辅助系统无需工具即可快速、轻松、安全地更换梳栉
- 改进后的经轴架，可以通过机器前面多个可移动的楼梯连接点和机头额外的平台边界安全地进入锁紧经轴的操作位置
- 直接驱动系统用于优化维护成本，降低能耗
- 可调节纱线张力弹簧——张力杆的刚度可以轻松调节，以提高机器的操控性和织物质量，无需更换张力弹簧

# HKS 4-M EL

## Technical data

### 技术参数

#### Working width / Gauge

130", 180", 210", 260"  
E 28, E 32, E 36

#### Bars / knitting elements

Individual needle bar, tongue bar, sinker bar with knockover adjustment, four ground guide bars (GB 1 up to GB 4 stitch-forming, shog up to 50 mm). All the bars are made of carbon fiber reinforced plastic.

#### Warp beam support

4 × 32" (Standard)  
Free-standing – four warp beam positions for sectional beams of 812 mm (32") flange diameter and having a length of 540 mm (21.3") or 1090 mm (42.9"), pre-assembled for despatch in containers.  
4 × 40" (Optional)

#### KAMCOS® 2 (KARL MAYER COMMAND SYSTEM)

Enlarged patterning possibilities by means of Multi Speed.

#### Integrated monitoring systems

- Integrated Lightning (Standard)
- Integrated Laserstop (Standard)
- Integrated Camera (Optional)

#### 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

#### Pattern drive

Electronic guide bar control system (EL)  
Operation via Chain Link Editor

#### Operation platform

Platform on the right side of the machine for easier handling of the warp beams.

#### Batching device

No. 6 (Standard)  
Central batcher, max. batch diameter of 736 mm (29 inches), driven by the machine; fabric tension is adjustable via sliding clutch (130 – 210 inches).

- No. 34A (Optional)
- No. 34A-A (Optional)
- No. 34B (Optional)
- No. 34B-A (Optional)
- No. 34B-XL (Optional)
- No. 34E (Optional)

#### Oil supply

Air heat exchanger (Standard)  
Oil/water heat exchanger (Optional)

#### 工作门幅 / 机号

130", 180", 210", 260"  
E 28, E 32, E 36

#### 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, 四把地梳 (GB 1到GB 4可成圈), 累积横移距离达到50 mm。所有床身均采用碳纤维增强塑料。

#### 经轴架

4 × 32" (标配)  
独立式, 4 × 312 mm (法兰盘直径为32英寸), 外档宽度为540 mm (21.3英寸) 或1090 mm (42.9英寸), 为适应集装箱运输而预先组装。  
4 × 40" (选配)

#### 卡迈酷斯®2 (卡尔迈耶控制系统)

通过多速送经, 扩大了花型可能性。

#### 配套监控系统

- 集成式照明系统 (标配)
- 集成式激光自停装置 (标配)
- 集成式照相自停装置 (选配)

#### 织物牵拉机构

电子控制, 4罗拉系统由电机驱动 (罗拉A = 156,6 mm + 罗拉B罗拉C = 118,6 mm + 罗拉D = 55,6 mm); 所有罗拉联动运转, 均包覆黑色包布

#### EL提花机构

电子横移机构  
通过链块编辑器来编辑

#### 操作平台

方便对经轴进行操作, 包括更换盘头、维护、处理纱线等

#### 卷取机构

No. 6 (标配)  
轴心卷取, 最大卷取直径为736 mm (29英寸), 由机器驱动; 织物张力可通过摩擦片进行调节 (130–210英寸)

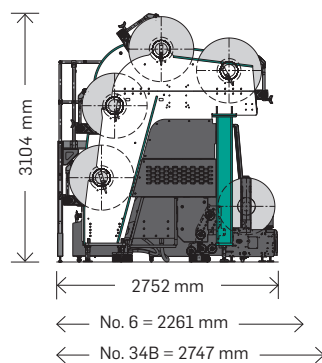
- No. 34A (选配)
- No. 34A-A (选配)
- No. 34B (选配)
- No. 34B-A (选配)
- No. 34B-XL (选配)
- No. 34E (选配)

#### 供油

空气热交换器 (标配)  
油/水热交换器 (选配)

#### Height and depth / 高度和纵深

4 × 812 mm (32英寸) ø



**Total width 宽度**  
8787 mm  
**Total depth 纵深**  
2752 mm  
**Total height 高度**  
3104 mm

#### End uses

Interior Textiles, Embroidery Ground & Tulle, Outerwear, Activewear, Footwear, Indutech – Advertising Billboards, Mobiltech – Automotive

#### 终端用途

室内纺织品, 刺绣基底+薄纱, 服装, 运动服, 鞋类, 工业用纺织品-广告牌, 交通运输用纺织品-汽车