



WARP KNITTING  
经编机

## HKS 4-M EL ECO

**The highly economic four-bar tricot machine for a wide range of applications**  
应用范围广泛的经济高效型四梳特里科经编机

### Your benefit

- Wide range of applications allows for a quick reaction to the market demands
- Shogging: two inches for extended pattern possibilities
- EL-drive for highest flexibility in production
- Easy handling

### 您的优势

- 应用范围广泛, 可快速响应市场需求
- 两英寸梳栉横移, 拓展花型设计空间
- EL电子驱动, 灵活生产终端产品
- 操作简便

# HKS 4-M EL ECO

## Technical data

### 技术参数

#### Working width / Gauge

130", 180", 210", 280" and 330"  
E 24, E 28, E 32

#### Bars / knitting elements

Individual needle bar, tongue bar and sinker bar with knockover adjustment, four ground guide bars (GB 1 up to GB 4 stitch-forming, shog up 2"). All bars are made of carbon fibre reinforced plastic.

#### Warp beam support

4 × 32" (Standard)  
Free-standing – completely mounted – 4 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").

1 × 40"/3 × 32" (Optional)  
Free-standing – one warp beam position of 1016 mm (40" DTY only) or 812 mm flange diameter. Three warp beam positions of 812 mm (32") flange diameter. Centering disks for each warp beam position for working 40" warp beams.

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

Operator interface to configure, control and adjust the electronic functionality of the machine. Single speed.

#### Yarn let-off device

Single Speed (Standard)  
Multi Speed (Optional)

#### Fabric take-up

Electronically controlled fabric take-up, driven by geared motor, consisting of: Four rollers coated with black grip tape. (Standard)

#### Batching device

Without batching device (Standard)

No. 52 (Optional)  
Standing separately, with friction drive, max. batch diameter of 800 mm (31.5"), driving roller and carrier roller coated with black grip tape, two deflection rollers without coating

No. 34A (Optional)  
Standing separately, with friction drive, max. batch diameter of 711 mm (28"), driving roller and carrier roller of 118.6 mm diameter, coated with black grip tape, relaxation device with five relaxation rollers of 70 mm diameter, up to 3.5 m relaxation length; driven spreading roller of 70 mm diameter with flat spiral springs, fabric edge unrolling appliance

No. 34B (Optional)  
standing separately, with friction drive, max. batch diameter of 914 mm (36"), max. fabric weight of 1250 kg, coated with black grip tape, two deflection rollers of 70 mm diameter without coating

#### Pattern drive

Electronic guide bar control system (EL)

#### Oil supply

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

#### 工作门幅 / 机号

130", 180", 210", 280" 和 330"  
E 24, E 28, E 32

#### 床体/成圈机件

独立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), 横移距离达到2英寸。所有床身均采用碳纤维增强塑料。

#### 经轴架

4 × 32" (标配), 4个独立的经轴位置, 可安装边盘直径为812 mm (32英寸)的盘头, 边盘长度为540 mm (21.3") 或1090 mm (42.9")

1 × 40"/3 × 32" (选配)  
独立式-1个位置可安装边盘直径为1016 mm的经轴 (40"仅限DTY) 或812 mm的经轴。  
3个位置可安装边盘直径为812 mm (32英寸) 的经轴。  
适用于40英寸经轴使用的每个经轴位置的中间轴承。

#### 卡迈酷斯®2 (卡尔迈耶控制系统)

操作界面, 用于设置、控制和调节机器的电控部分功能  
单速

#### 送经机构

单速 (标配)  
多速 (选配)

#### 牵拉机构

电子控制, 由电机传动, 包括4个罗拉, 均包覆黑色包布 (标配)

#### 卷取机构

无卷取机构 (标配)

No. 52 (选配)  
独立落地卷, 采用摩擦驱动, 最大卷装直径 800 mm (31.5 英寸), 驱动辊与卷布辊表面包覆黑色包布, 2只导布辊无包覆。

No. 34A (选配)  
独立落地卷, 采用摩擦驱动, 最大卷装直径 711 mm (28 英寸), 驱动辊和卷布辊直径为 118.6 毫米, 表面包覆黑色包布。带有五根直径 70 mm 松弛辊的松弛装置, 最大松弛长度 3.5 m; 配备平面螺旋弹簧的主动式展布辊 (直径 70 mm), 以及布边退卷装置。

No. 34B (选配)  
独立落地卷, 采用摩擦驱动, 最大卷装直径 914 mm (36 英寸), 最大织物重量 1250 千克, 包覆黑色包布, 两个直径 70 毫米的导布辊无涂层

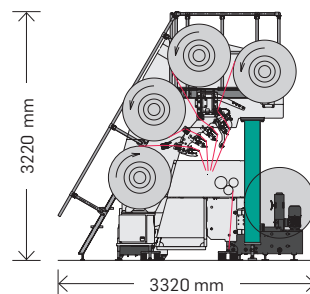
#### 提花机构

电子梳栉控制系统 (EL)

#### 供油

空气热交换装置 (标配)  
选配: 油/水热交换器

Height and depth / 高度和纵深  
4 × 812 mm (32 英寸) ø, No. 52



#### End uses

Outerwear, Workwear, Activewear, Outdoor Wear, Sports Shoes, Interior Textiles, Mobiltech – Automotive

#### 终端用途

服装、工装、运动服、户外服、运动鞋、室内纺织品、交通运输用纺织品-汽车