



KARL MAYER

WE CARE ABOUT YOUR FUTURE



WARP KNITTING
经编机

HKS 2-SE

Tricot machine for elastic articles
生产弹力面料的特里科经编机





PERFECT COMBINATION OF EFFICIENCY AND PRECISION

高效与精准的完美结合



Your Benefit – Our Solution 您的优势 – 我们的解决方案

Tricot machine for elastic articles 生产弹力面料的特里科经编机

The huge variety of modern textiles involves the necessity to focus attention on different aspects and certain specific conditions during production. For elastic fabrics highly precise and efficient machines are required. Now we have made the best warp knitting machine for elastic fabrics ever: **HKS 2-SE**. The specialist for elastic fabrics sets new standards in terms of productivity and fabric quality.

- High-performance warp knitting machine to produce elastic fabrics only
- Specialised for the requirements of elastic fabrics
- Highest operational reliability
- Long service life
- New ergonomic design
- Up to 13% less power consumption thanks to LEO® (Low Energy Option)
- New KAMCOS® 2 operating interface provides easier use and integration of assistance apps
- Equipped as standard with integrated Camera, the new KARL MAYER fabric monitoring system

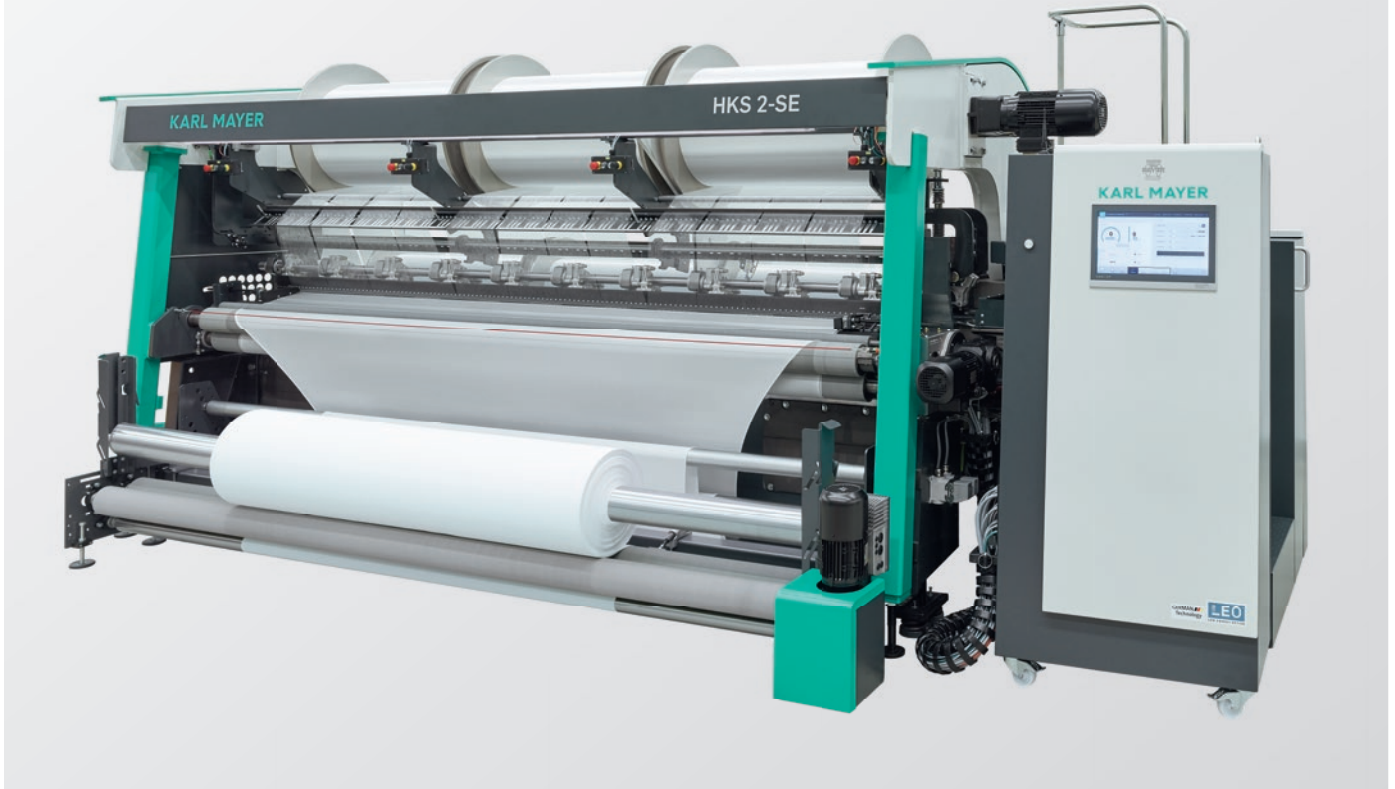
现代纺织品的种类繁多, 在生产过程中必须根据产品种类和终端应用制定不同的生产工艺。弹力织物的生产需要高精度和高效率的经编机。如今, 我们为生产弹力织物提供一款迄今为止最佳的经编机: **HKS 2-SE**。这款弹力织物的生产专家树立了面料产量和品质的全新标准。

- 高性能经编机, 用于生产弹力织物
- 满足弹力织物生产的各方面需求
- 操作可靠性佳
- 较长的使用年限
- 新型人体工学设计
- 采用历欧®(低能耗) 技术, 能耗降低13%
- 全新的卡迈酷斯®2界面让操控更简便, 同时支持移动设备App
- 标配照相自停装置, 这是全新的卡尔迈耶织物生产监控系统

HKS 2-SE

Machine details and overview

机器详情和预览



HKS 2-SE

The high-speed machine for elastic fabrics

- Highest production output
- Integrated monitoring systems for highly efficient production
- Optimised handling thanks to new ergonomic design

HKS 2-SE

生产弹力织物的高速经编机

- 最高的面料产量
- 配套监控系统, 极大地提升了生产效率
- 新型人体工学设计使操控更便捷

Designed for the production of purely elastic articles

专业生产弹力织物的经编机

End uses 终端应用	HKS 2-SE
lingerie 内衣	×
swimwear 泳衣	×
sportswear 运动服	×
outerwear 外衣	×

HKS 2-SE

Technical data

技术参数

Working width / Gauge

3302 mm = 130" (134")*,
E 32, E 36, E 40
4572 mm = 180" (186")*,
E 32, E 36, E 40

* Working width extension

Bars / knitting elements

Individual needle bar with compound needles, slider bar with plate slider units (1/2"), sinker bar with compound sinker units, Two guide bars with guide units. All bars are made of carbon-fibre-reinforced plastic.

LEO®

Low Energy Option

KAMCOS® 2

(KARL MAYER COMMAND SYSTEM)

Operator interface to configure, control and adjust the electronic functionality of the machine. KARL MAYER CONNECT user assistance. Multiple interfaces for third-party software. Easy and intuitive user guidance.

Integrated monitoring systems

- Integrated Laserstop
- Integrated Camera

Integrated lighting

Uniform illumination of the working area showing machine operation status

Warp beam support

2 × 812 mm (32")
(free-standing)
Option: 2 × 1016 mm (40")
(free-standing)

Yarn let-off device

Electronically controlled, driven by geared motor

Take-up device

Electronically controlled, four-roller system in continuous execution, driven by geared motor

Batching device

No. 34 A(E)
Option: No. 29 A

Electrical equipment

Speed-regulated main drive incl. inching motion function, power-failure-safe, total connected load 25 kVA

Oil supply

Heating and cooling by means of air heat exchanger, pressure lubrication for crankshaft, oil filter with dirt-monitoring system
Option: Oil/water heat exchanger

工作门幅/机号

3302 mm = 130英寸(134英寸)*,
E 32, E 36, E 40
4572 mm = 180英寸(184英寸)*,
E 32, E 36, E 40

*加宽的工作门幅

床体/成圈机件

装有复合针的嵌入式针床, 装有针芯块(1/2")的针芯床, 装有复合沉降片的沉降片床, 装有导纱针块的两把梳栉。所有床体均由碳纤维增强塑料制成。

历欧®

低能耗

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。卡尔迈耶连线用户支持。第三方软件的多重接口。简单、直观的用户指导。

配套监控系统

- 激光自停装置
- 照相自停装置

照明装置

在显示机器工作状态的重要区域内实现均匀地照明

经轴架

2 × 812 mm (32英寸)
(独立式)
选配: 2 × 1016 mm (40英寸)
(独立式)

送经机构

电子控制, 由电机传动

牵拉机构

电子控制, 4罗拉系统, 连续执行, 由电机传动

卷取机构

34 A(E)号卷取机构
选配: 29 A号卷取机构

电子设备

调速主电机, 慢速传动功能, 断电保护, 总连接负载为25千伏安

供油

通过空气热交换装置加热和冷却, 曲柄连杆加压润滑, 配备防脏报警过滤器
选配: 油/水热交换器

- ① Integrated stairs grant comfortable access to the warp beams
一体式台阶方便对经轴的操作



- ② Integrated oil supply
一体式供油系统

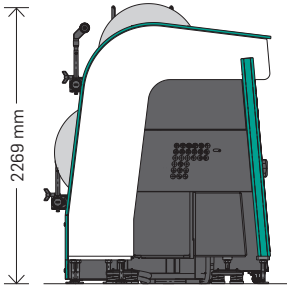


HKS 2-SE

Technical data

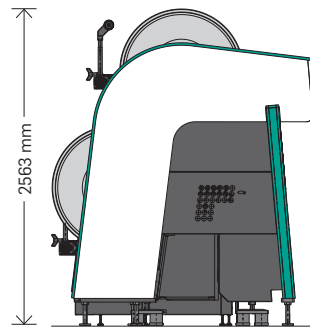
技术参数

2 × 812 mm (32") Ø



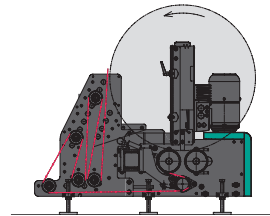
← No. 34A, 34A (E) = 2261 mm →
 ← No. 34B, 34E = 2261 mm →

2 × 1016 mm (40") Ø



← No. 34A, 34A (E) = 2395 mm →
 ← No. 34B, 34E = 2395 mm →

No. 34A, 34A (E)



Batching device for elastic fabrics with friction drive, driven by geared motor, regulation to match the stitch courses, relaxation device

For 34A: spreading roller, fabric edge unrolling appliance, relaxing zone
For 34A (E): deflection roller, max. batch diameter of 711 mm (28 inches)

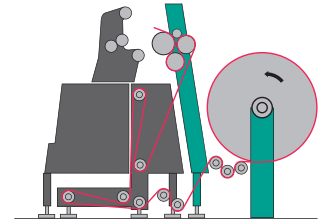
34A, 34A (E)号卷取机构

摩擦传动的弹性织物卷取机构，由电机驱动，根据线圈密度进行调节，布面松弛装置

34A: 扩布辊，防布面卷边装置，布面松弛区域

34A (E): 导布辊，最大卷装直径为711 mm (28英寸)

No. 29A



Batching device with central drive, driven by geared motor, potentiometer regulation, spreading roller, relaxation device, max. batch diameter of 762 mm (30 inches)

轴心传动的卷取机构，由电机传动，电位器调节，扩布辊，松弛装置，最大卷装直径为762mm(30英寸)