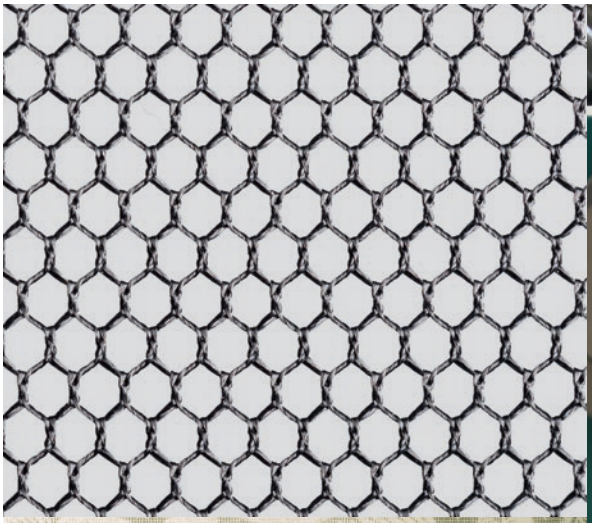
KARL MAYER

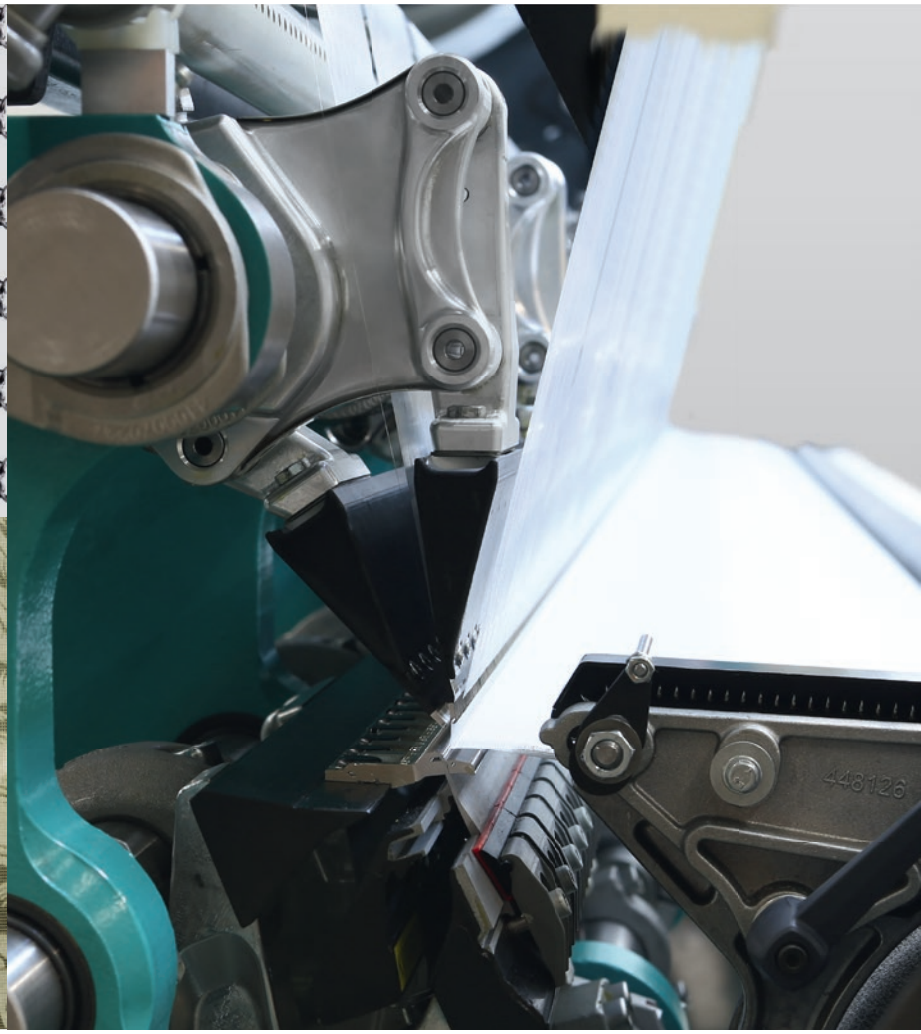
WE CARE ABOUT YOUR FUTURE

WARP KNITTING
经编机

HKS 2-M
HKS 2-3

Tricot machines for diverse use in textile production
适合多个应用领域的特里科经编机





TRICOT MACHINES: PERFECT COMBINATION OF EFFICIENCY AND PRECISION

特里科经编机: 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

Two machine concepts for your business success
助您成功的两个机器理念

The huge variety of modern textiles requires attention to be focused on different aspects and certain specific conditions during production.

For the production of two-bar tricot fabrics the market can choose between two kinds of machine:
HKS 2-M and **HKS 2-3.**

While the HKS 2-M is more flexible in terms of coarse gauge and less stitch density, the HKS 2-3 is flexible enough to produce rigid as well as elastic fabrics even in finer gauge.

- High-performance knitting machines capable of producing a wide range of products
- An extended range of patterns and articles
- Highest operational reliability
- Long service life

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。

在生产两梳经编面料时，您可以根据实际需求从以下两款设备中选择:
HKS 2-M和**HKS 2-3**。

HKS 2-M配置多款常规机号，适合密度相对较低的面料。HKS 2-3擅长生产密度较高的弹力和无弹面料。

- 高性能经编机满足多样化的产品需求
- 能适应更多的花型和产品
- 最佳的运行稳定性
- 较长的使用年限

HKS 2-M; HKS 2-3

Machine details and overview
机器详情和预览

HKS 2-M

The flexible version for all sorts of articles

- Widest range of products
- Suitable for low stitch density
- Wide range of available gauges (E 18 – E 32)

HKS 2-M

适合多款面料的高速经编机

- 优异的产品多样性
- 适应生产密度相对较低的面料
- 多个机号配置 (E 18 – E 32)

HKS 2-3

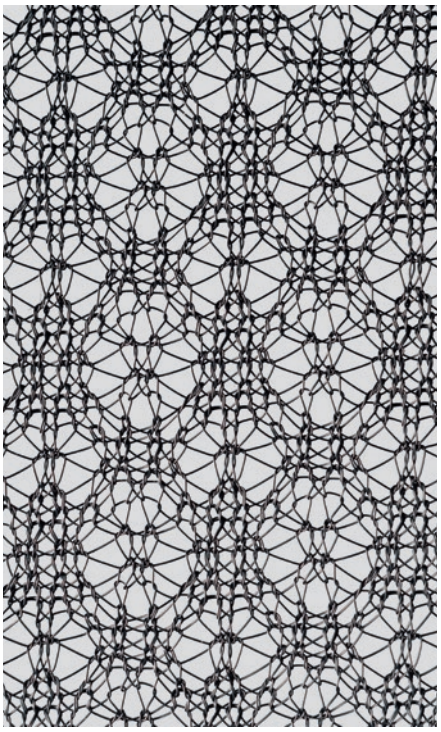
The highly productive machine for elastic and rigid structures

- Offers a high production speed with a wide range of textiles
- Designed for highest performance for standard fabrics

HKS 2-3

弹力和无弹面料的高产能机器

- 较高的生产速度
- 生产常规面料时能发挥最佳性能



Wide range of applications allows a quick reaction to the demands of the market.

适合多种应用领域，能对市场需求作出迅速反应。

End uses 终端应用	HKS 2-M	HKS 2-3
automotive textiles 汽车用纺织品	×	×
tulles 薄纱	×	(×)
sportswear 运动服	×	×
shoe fabrics 鞋面材料	×	
outerwear 外套	×	×
mosquito nets 蚊帐布	×	
coating substrates 涂层基布	×	
lingerie 内衣		×
swimwear 泳装		×

HKS 2-M
Technical data
技术参数

Working width / Gauge
4572 mm = 180 inches
(186 inches)*,
E20, E22, E24, E28, E32
5334 mm = 210 inches
(218 inches)*,
E20, E28, E32
*Working width extension.
Other gauges upon request.

Bars / Knitting elements
Individual needle bar with compound needles, slider bar with plate slider units (½"), sinker bar with compound sinker units, two guide bars with guide units. All bars are made of carbon-fibre-reinforced plastic.

Warp beam support
2 × 812 (32") (free-standing)
Option: 2 × 1016 (40")
(free-standing)

LEO®
Low **E**nergy **O**ption

KAMCOS®
(KARL **M**AYER **CO**MMAND **S**YSTEM)
Operator interface to configure, control and adjust the electronic functionality of the machine

Yarn let-off device
Electronically controlled, driven by geared motor

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

Batching device
No. 6
Option: No. 33, 34A, 34B, 34E

Pattern drive
N-drive with two pattern discs, integrated tempi change gear

Electrical equipment
Total connected load 25 kVA

Oil supply
Cooling by means of
air heat exchange
Option: oil/water heat exchanger

工作门幅/机号
4572 mm = 180英寸(186英寸)*,
E20, E22, E24, E28, E32
5334 mm = 210英寸(218英寸)*,
E20, E28, E32
*加宽的工作门幅。
其他机号根据实际需求提供。

床体/成圈机件
安装复合针的嵌入式针床，安装针芯块(½")的针芯床，安装复合沉降片的沉降片床，安装导纱针块的两把梳栉。所有床体均由碳纤维增强塑料制成。

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

历欧®
低能耗

卡迈酷斯® (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。

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
6号卷取机构
选配: 33, 34A, 34B, 34E号卷取机构

提花机构
安装2片花盘的N型横移机构，包含行程变换齿轮

电子设备
总连接负载为25千伏安

供油
通过空气热交换装置冷却
选配: 油/水热交换器

HKS 2-3

Technical data
技术参数

Working width / Gauge
3302 mm = 130 inches
(132 inches)*,
E28, E32, E36, E40, E44, E50
4572 mm = 180 inches
(186 inches)*,
E28, E32, E36
5334 mm = 210 inches
(218 inches)*,
E28, E32
*Working width extension.
Other gauges upon request.

Bars / Knitting elements
Individual needle bar with compound needles, slider bar with plate slider units (½"), sinker bar with compound sinker units, two guide bars with guide units. All bars are made of carbon-fibre-reinforced plastic.

Warp beam support
2 × 812 (32") (free-standing)
Option: 2 × 1016 (40")
(free-standing)

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Batching device
No. 6
Option: No. 33, 34A, 34B, 34E

Pattern drive
N-drive with two pattern discs, integrated tempi change gear

Electrical equipment
Total connected load 25 kVA

Oil supply
Cooling by means of
air heat exchange
Option: oil/water heat exchanger

工作门幅/机号
3302 mm = 130 英寸 (132英寸)*,
E28, E32, E36, E40,E44, E50
4572 mm = 180 英寸(186英寸)*,
E28, E32, E36
5334 mm = 210 英寸 (218英寸)*,
E28, E32
*加宽的工作门幅.
其他机号根据实际需求提供。

床体/成圈机件
安装复合针的嵌入式针床，安装针芯块(½")的针芯床，安装复合沉降片的沉降片床，安装导纱针块的两把梳栉。所有床体均由碳纤维增强塑料制成。

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

历欧®
低能耗

卡迈酷斯® (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。

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
6号卷取机构
选配：33, 34A, 34B, 34E号卷取机构

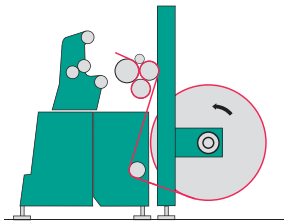
提花机构
安装2片花盘的N型横移机构，包含行程变换齿轮

电子设备
总连接负载为25千伏安

供油
通过空气热交换装置冷却
选配：油/水热交换器

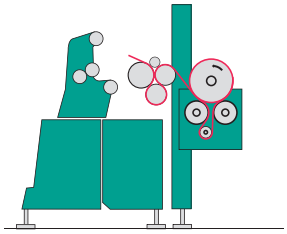
HKS 2-M; HKS 2-3

Batching devices
卷取机构



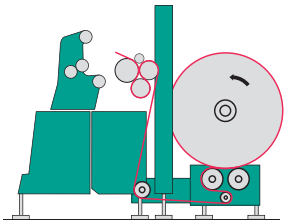
No. 6
Batching device with central drive, with sliding clutch, max. batch diameter of 736 mm (29 inches)

6号卷取机构
轴心传动的卷取机构，带滑动式离合器，最大卷装直径为736mm（29英寸）



No. 33
Batching device with friction drive, fabric feeding device, max. batch diameter of 200 mm (7.8 inches)

33号卷取机构
摩擦传动的卷取机构，布匹喂入装置，最大卷装直径为200 mm (7.8英寸)

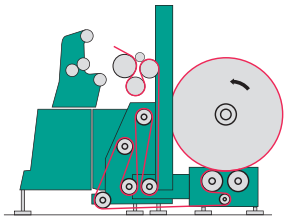


No. 34B / 34E
Batching device with friction drive, driven by geared motor, regulation to match the stitch courses

For 34E: spreading roller, fabric edge unrolling appliance
For 34B: deflection roller, max. batch diameter of 914 mm (36 inches)

34B / 34E 号卷取机构
摩擦传动的卷取机构，由电机驱动，根据线圈密度进行调节。

34E: 扩布辊，防布面卷边装置
34B: 导布辊，最大卷装直径为914 mm (36英寸)



No. 34A, 34A (E)
Batching device with friction drive, driven by geared motor, regulation to match the stitch courses, relaxation device

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

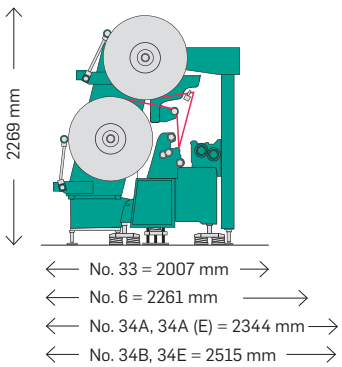
34A, 34A (E)号卷取机构
摩擦传动的卷取机构，由电机驱动，根据线圈密度进行调节，布面松弛装置

34A: 扩布辊，防布面卷边装置
34A (E): 导布辊，最大卷装直径为914 mm (36英寸)

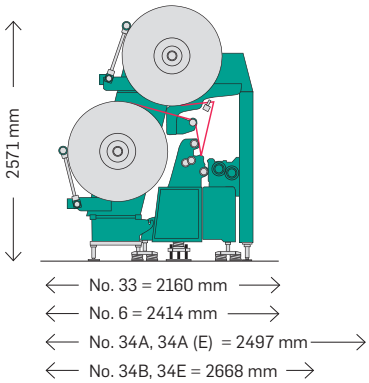
Dimensions and warp beam support
尺寸和经轴架

Height and depth
高度和纵深

2 × 812 mm (32") Ø



2 × 1016 mm (40") Ø



Width
宽度

Working width **工作门幅**	**Total width without switch cabinet** **机器总宽（不含电柜）**
130 inches (132 inches)	5020 mm
180 inches (186 inches)	6392 mm
210 inches (218 inches)	7232 mm

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