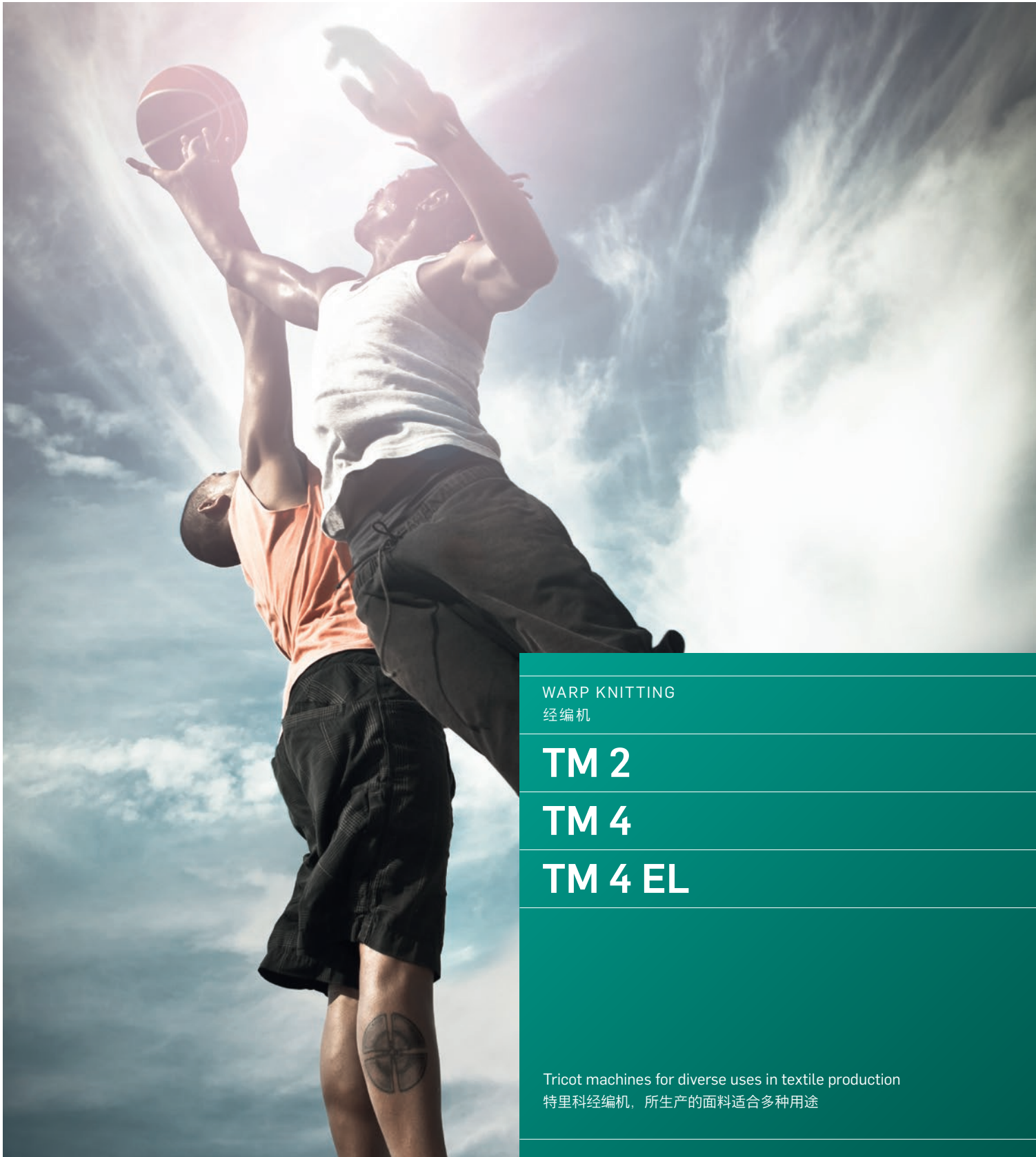


KARL MAYER

WE CARE ABOUT YOUR FUTURE



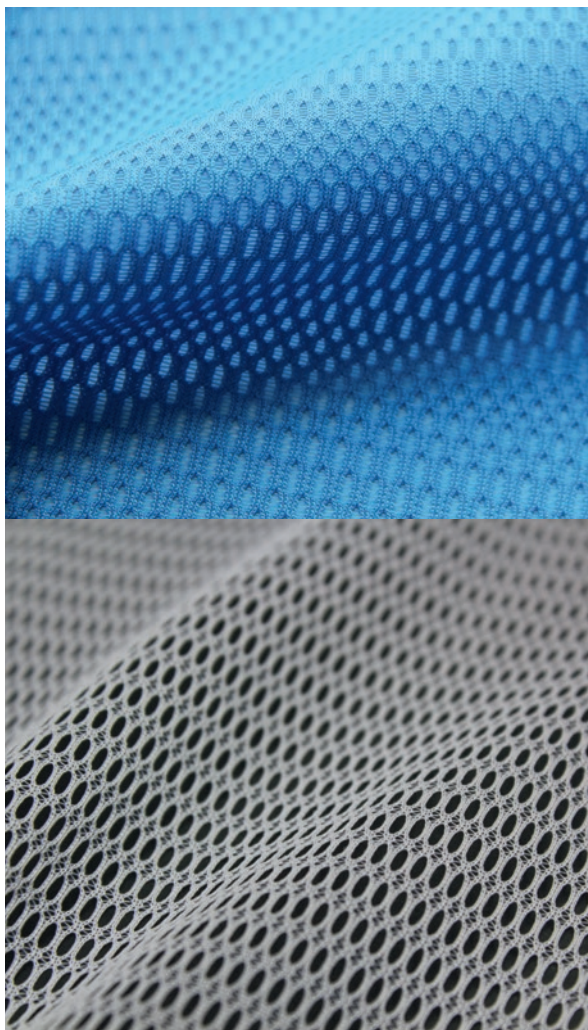
WARP KNITTING
经编机

TM 2

TM 4

TM 4 EL

Tricot machines for diverse uses in textile production
特里科经编机，所生产的面料适合多种用途



**HIGHLY EFFICIENT TRICOT
MACHINES FOR THE BASIC
NEEDS AND A WIDE RANGE
OF APPLICATIONS**

**满足基本需求和广泛应用的高效
特里科经编机**

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

Complete machine concept for your business success 助您成功的全系列机器理念

The huge variety of modern textiles requires the focusing of attention on different aspects and certain specific conditions during production.

For many basic applications machines are fully compliant with customers' requirements.

The **TM series** combines the basic equipment for easy operation with the latest production monitoring technology.

For 2-bar and 4-bar fabrics KARL MAYER offers **TM 2, TM 4 and TM 4 EL**.

- Highly economic machines for standard applications
- High KARL MAYER quality standard
- 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。

在很多应用领域, TM系列经编机完全能满足客户的需求。

TM系列将有助于简化操控的基本配置与最新的生产监控技术结合在一起。

针对两梳和四梳面料, 卡尔迈耶提供**TM 2, TM 4和TM 4 EL**机器。

- 满足标准应用的经济型经编机
- 符合卡尔迈耶高质量标准
- 最佳的运行稳定性
- 较长的使用年限



TM 2 and TM 4:

For all kinds of 2-bar, 3-bar and 4-bar tricot fabrics

- Covers the basic requirements of the market
- Flexible machine for quick reaction to the market
- Highest reliability

TM 2和TM 4:

适合生产两梳、三梳和四梳特里科面料

- 满足市场的基本需求
- 灵活的机器, 能快速应对市场变化
- 稳定、可靠

TM 4 EL:

For all kinds of 4-bar tricot fabrics

- Highest pattern flexibility due to EL-drive

TM 4 EL:

适合生产各类四梳特里科面料

- EL电子横移让花型变换更灵活



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	TM 2	TM 4	TM 4 EL
upholstery fabrics 内饰织物	×	×	×
sportswear 运动装	×	×	×
toy plush 玩具绒			
shoe fabrics 鞋材	×	×	×
outerwear 外套	×	×	×
mosquito nets 蚊帐	×		
coating substrates 涂层基底	×		
automotive textiles 汽车用纺织品		×	×
home textiles 家用纺织品		×	×

TM 2; TM 4; TM 4 EL

Technical data

技术参数

Working width / Gauge

TM 2; TM 4; TM 4 EL:
4572 mm = 180 inches
(186 inches)*
TM 4; TM 4 EL:
3302 mm (3454 mm)
= 130 inches (136 inches)*
4572 mm = 180 inches
(186 inches)*
TM 2: E 14, E 28, E 32
TM4, TM 4 EL: E 28, E 32
*Working width extension

Bars / Knitting elements

Individual needle bar and tongue
synchronously milled, com-
pound sinker, four ground guide
bars (maximum shogging 1")

Warp beam support

TM 2: 2 x 32"
TM 4; TM 4 EL:
Four warp beam positions
(free-standing), for sectional
beams of 812 mm (32 inches)
flange diameter
Optional service platform

KAMCOS®

(KARL MAYER COMMAND SYSTEM)

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

Yarn let-off device

For each completely mounted
warp beam position: one elec-
tronically controlled yarn let-off
drive, driven by geared motor,
controlled by Motion Control
Option: feeler roller device
For each completely mounted
warp beam position: one feeler
roller device for the readjust-
ment of the yarn feeding values
related to the circumference of
the sectional beam

Fabric take-up

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

Batching device

Option: 6, 34 B, 34 E

Pattern drive

TM 2: N-drive with two
pattern discs
TM 4: N-drive with four
pattern discs
Standard: 16:1
TM 4 EL: Electronic guide bar
control system (EL)

Electrical equipment

Speed-regulated main drive,
power-failure safe, including
inching motion function, total
connected load 25 kVA or 35
kVA (EL)

Oil supply

Heating, cooling by means of
circulating air heat exchanger,
circulation by means of electric
pump, filter with dirt monitoring
system

工作门幅/机号

TM 2; TM 4; TM 4 EL:
4572 mm = 180英寸
(186英寸)*
TM 4; TM 4 EL:
3302 mm (3454 mm) = 130英寸
(136英寸)*
TM 2: E 14, E 28, E 32
TM4, TM 4 EL: E 28, E 32
*加宽的工作幅宽

床体/成圈机件

同步铣削的嵌入式针床和针芯床,
复合沉降片, 4把地梳(最大横移1
英寸)

经轴架

TM 2: 2 x 32英寸
TM 4; TM 4 EL:
4个经轴位置(独立式), 可安装变盘
直径为812mm(32英寸)的盘头。
选配: 走道板

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

每个完全独立安装的经轴位置配
备: 一套电子送经装置, 通过马达驱
动, 受运动控制系统控制
选配: 反馈罗拉
每个完全独立安装的经轴位置配
备: 一个反馈罗拉, 可根据盘头的周
长调节纱线的送经量

织物牵拉机构

电子控制, 4罗拉系统由电机驱动,
受运动控制系统控制

卷取机构

选配: 6, 34B, 34E

提花机构

TM 2: 采用两片花盘的N型提花
机构
TM 4: 带有4个花盘的N型驱动
机构
标准: 16:1
TM 4 EL: 电子梳栉控制系统 (EL)

电子设备

调速主电机, 断电保护, 慢速传动功
能, 机器总连接负载为25kVA或者
35kVA (EL)

供油

加热装置, 通过空气流通式热交
换装置冷却, 通过电泵实现循环,
曲柄连杆加压润滑, 配备防脏报警
过滤器

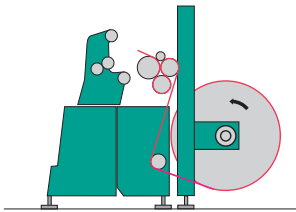
TM 2; TM 4; TM 4 EL

Technical data

技术参数

Batching devices

卷取机构

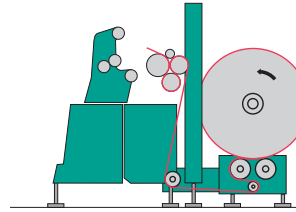


No. 6

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. 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)

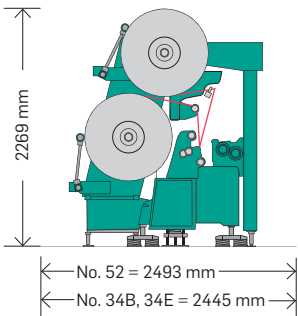
Dimensions and warp beam support

尺寸和经轴架

TM 2

Height and depth 高度和纵深

2 × 812 mm (32") Ø



Working width

工作门幅
180 inches (186 inches)
180英寸 (186英寸)

Total width with switch cabinet
机器总宽 (含电柜)
6640 mm

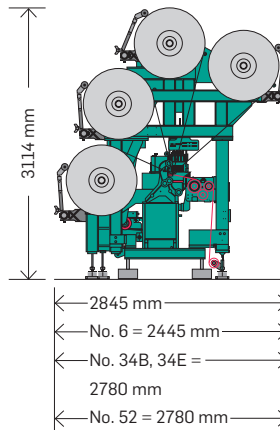
← No. 52 = 2493 mm →
← No. 34B, 34E = 2445 mm →

*without batching device
*不含卷取机构

TM 4; TM 4 EL

Height and depth 高度和纵深

4 × 812 mm (32") Ø



Working width

工作门幅
130 inches
130英寸
180 inches (186 inches)
180英寸 (186英寸)

Total width with switch cabinet
机器总宽 (含电柜)

130 inches / 130英寸	180 inches / 180英寸
N-drive: 5220 mm	N-drive: 6640 mm
EL-drive: 5880 mm	EL-drive: 7300 mm
N型驱动: 5220 mm	N型驱动: 6640 mm
EL驱动: 5880 mm	EL驱动: 7300 mm

← 2845 mm →
← No. 6 = 2445 mm →
← No. 34B, 34E = 2780 mm →
← No. 52 = 2780 mm →

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Industriestraße 1 · 63179 Obertshausen · Germany

www.karlmayer.com

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