



TM 2 | TM 3

TM 2 | TM 3

Tricot Machine

特里科经编机



**KARL MAYER**

Foto: Bierbaum Wohnen GmbH & Co. KG

## TM 2

### Basic machine for rigid fabrics

为非弹性织物而打造的特制机器

The TM 2 is the perfect basic machine for the efficient production of simple, inelastic articles, fully complying with our customers' requirements. This machine offers an ideal combination of modern drive technology integrated in a new machine concept. In this way, the market has received a very interesting machine by focusing on the necessary basic equipment, on easy operation and on the reliable KARL MAYER quality. The machine components – from the yarn feeding system via the knitting elements to the fabric take-up and batching device – have been optimized to meet our clients' specific demands.

TM 2是高效生产简易非弹性织物的完美机型，它充分满足了客户的要求。这种机型集现代化传动技术和新式机器理念于一体。它拥有必备的基本功能，操作简单，并提供可靠的KARL MAYER质量保证，在市场上极具吸引力。机器的各部件—从送经系统，至成圈部件，再到牵拉卷曲装置—完美地满足了客户的特殊需求。

All these features make the TM 2 an attractive investment for such end uses as:

所有以上的机器特性使购买TM 2成为具有吸引力的投资，它生产的产品用于：

mosquito nets

outerwear

蚊帐布

外衣面料

shoe fabrics

upholstery fabrics

鞋用织物

装饰面料

sportswear

coating substrates

体育服装

涂层用布

Pattern drive  
花型驱动机构



Fabric take-up, electronically controlled  
织物牵拉，电子控制



Warp beam support  
经轴架



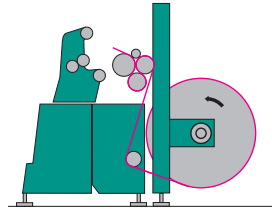
# TM 2

## Technical data

### 技术参数

## Batching device

### 卷取装置

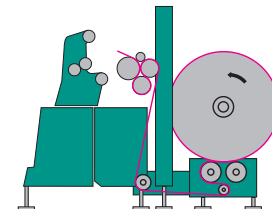


#### No. 6

Batching device with central drive, with sliding clutch, max. batch diameter of 736 mm (29 inches)

#### 6号卷取装置

卷取装置由中央传动，带摩擦离合器，最大卷取外径为 736 mm (29 英寸)



#### No. 34 B, 34 E

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)

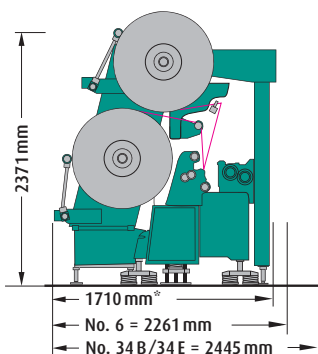
#### 34B、34E号卷曲装置

卷曲装置采用摩擦传动，受齿轮马达驱动，根据线圈密度大小进行调节。

34E: 涂胶滚筒，防织物卷边装置

34B: 转向轮，最大卷装直径 914 mm (36 英寸)

### 2 x 812 mm (32 inches) Ø



\*without batching device

\* 不配卷取

Rights for technical modifications reserved.

保留技术修正权

#### Working widths

4572 mm = 180 inches  
(186 inches)\*

\*Working width extension

#### Gauges

E 28, E 32

#### Bars/knitting elements

Individual needle bar and tongue bar synchronously milled, compound sinker, 2 ground guide bars

#### Warp beam support

2 warp beam positions (free-standing), for sectional beams of 812 mm (32 inches) flange diameter

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

Touchscreen/Operator Interface-Terminal

Motion Control/Single Speed for the control of the basic functions

#### Yarn let-off device

For each completely mounted warp beam position: 1 electronically 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 readjustment of the yarn feeding values related to the circumference of the sectional beam

#### Fabric take-up

Electronically controlled, continuous execution 4-roller system driven by geared motor, controlled by Motion Control

Option: driven selvage spreaders

#### Batching device

Option: No. 6, 34 B, 34 E

#### Pattern drive

N-drive with 2 pattern disks, Integrated tempo change gear drive

Standard: 16:1

Option: 12:1 and 24:1

#### Electrical equipment

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

#### Oil supply

Heating, cooling by means of circulating air heat exchanger, circulation by means of electric pump, pressure lubrication for crankshaft, filter with dirt-monitoring system

#### 工作门幅

4572 mm = 180 英寸  
(186 英寸)\*

\* 加宽的工作门幅

#### 机号

E 28, E 32

#### 梳栉/成圈机构

同步铣削的针床和针芯床，复合沉降片，2把地梳

#### 经轴架

2个经轴位置，与机器不联体的独立式经轴架，每个经轴的边盘直径为 812 mm (32 英寸)

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

触摸屏/操作界面-终端

传动控制系统/单速，用于基本功能控制

#### 送经装置

每个完全独立安装的经轴位置配备一套电子送经装置，通过齿轮传动的电机驱动，受电机控制系统控制。

选配：反馈装置

每个完全独立安装的经轴位置配置一套反馈装置，根据盘头的外周长调节送经量。

#### 织物牵拉装置

电子控制，连续 4 罗拉装置受齿轮传动的电机控制，受电机控制系统控制。

选配：边撑

#### 卷取装置

选购：6, 34 B, 34 E 号卷取装置

#### 花型驱动机构

带有 2 个花盘的 N 型驱动机构，配有行程变换杆

标准行程：16:1

可供选配行程：12:1 和 24:1

#### 电子设备

调速主电机，断电保护，慢速传动功能，额定负荷为 25 千伏安。

#### 供油

加热装置，空气流通式热交换器冷却装置，电动循环泵，曲柄轴强制加压润滑，配备防脏报警系统过滤器

Working width

Total width without  
switch cabinet

工作门幅

机器总宽  
(不含电柜)

180 inches (186 inches)

5880 mm

180 英寸 (186 英寸)

5880 mm



## TM 3

### Basic machine for rigid fabrics

为非弹性织物而打造的特制机器

The TM 3 is the perfect basic machine for the efficient production of simple, inelastic articles, fully complying with our customers' requirements. This machine offers an ideal combination of modern drive technology integrated in a new machine concept. In this way, the market has received a very interesting machine by focusing on the necessary basic equipment, on easy operation and on the reliable KARL MAYER quality. The machine components - from the yarn feeding system via the knitting elements to the fabric take-up and batching device - have been optimized to meet our clients' specific demands.

TM 3 是高效生产简易非弹性织物的完美机型，它充分满足了客户的要求。这种机型集现代化传动技术和新式机器理念于一体。它拥有必备的基本功能，操作简单，并提供可靠的 KARL MAYER 质量保证，在市场上极具吸引力。机器的各部件 - 从送经系统，至成圈部件，再到牵拉卷曲装置 - 完美地满足了客户的特殊需求。

All these features make the TM 3 an attractive investment for such end uses as:

所有以上的机器特性使购买 TM 3 成为具有吸引力的投资，它生产的产品用于：

toy plush

outerwear

玩具绒

外衣面料

shoe fabrics

upholstery fabrics

鞋用织物

装饰面料

sportswear

coating substrates

体育服装

涂层用布

Pattern drive  
花型驱动机构



Fabric take-up, electronically controlled  
织物牵拉，电子控制



Warp beam support  
经轴架



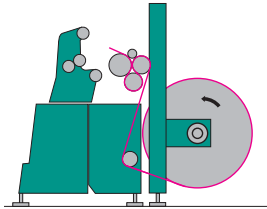
# TM 3

## Technical data

### 技术参数

## Batching device

### 卷取装置

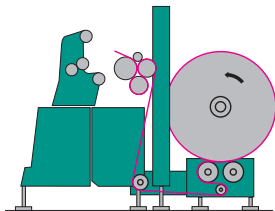


#### No. 6

Batching device with central drive, with sliding clutch, max. batch diameter of 736 mm (29 inches)

#### 6号卷取装置

卷取装置由中央传动，带摩擦离合器，最大卷取外径为 736 mm (29 英寸)



#### No. 34 B, 34 E

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

For 34 E: spreading roller, fabric edge unrolling appliance,

For 34 B: deflection roller, max. batch diameter of 914 mm (36 inches)

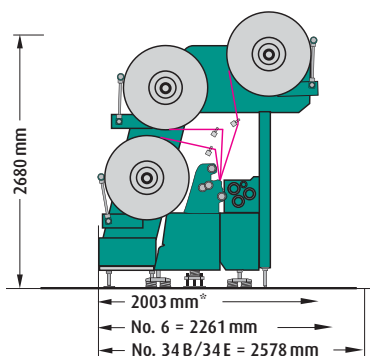
#### 34 B、34 E 号卷曲装置

卷曲装置采用摩擦传动，受齿轮马达驱动，根据线圈密度大小进行调节。

34 E: 涂胶滚筒，防织物卷边装置

34 B: 转向轮，最大卷装直径 914 mm (36 英寸)

### 3 x 812 mm (32 inches) Ø



\*without batching device

\* 不配卷取

Rights for technical modifications reserved.  
保留技术修正权

### Working widths

4572 mm = 180 inches  
(186 inches)\*

\*Working width extension

### Gauges

E 28, E 32

### Bars/knitting elements

Individual needle bar and tongue bar synchronously milled, compound sinker, 3 ground guide bars

### Warp beam support

3 warp beam positions (free-standing), for sectional beams of 812 mm (32 inches) flange diameter

### KAMCOS® (KARL MAYER COMMAND SYSTEM)

Touchscreen/Operator Interface-Terminal Motion Control/Single Speed for the control of the basic functions

### Yarn let-off device

For each completely mounted warp beam position: 1 electronically 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 readjustment of the yarn feeding values related to the circumference of the sectional beam

### Fabric take-up

Electronically controlled, continuous execution 4-roller system driven by geared motor, controlled by Motion Control

Option: driven selvage spreaders

### Batching device

Option: No. 6, 34 B, 34 E

### Pattern drive

N-drive with 3 pattern disks, Integrated tempi change gear drive  
Standard: 16:1

Option: 12:1 and 24:1

### Electrical equipment

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

### Oil supply

Heating, cooling by means of circulating air heat exchanger, circulation by means of electric pump, pressure lubrication for crankshaft, filter with dirt-monitoring system

### 工作门幅

4572 mm = 180 英寸  
(186 英寸)\*

\* 加宽的工作门幅

### 机号

E 28, E 32

### 梳栉/成圈机构

同步铣削的针床和针芯床，复合沉降片，3把地梳

### 经轴架

3个经轴位置，与机器不联体的独立式经轴架，每个经轴的边盘直径为 812 mm (32 英寸)

### KAMCOS® (KARL MAYER COMMAND SYSTEM)

触摸屏/操作界面-终端

传动控制系统/单速，用于基本功能控制

### 送经装置

每个完全独立安装的经轴位置配备一套电子送经装置，通过齿轮传动的电机驱动，受电机控制系统控制。

选配：反馈装置

每个完全独立安装的经轴位置配置一套反馈装置，根据盘头的外周长调节送经量。

### 织物牵拉装置

电子控制，连续 4 罗拉装置受齿轮传动的电机控制，受电机控制系统控制。

选配：边撑

### 卷取装置

选购：6, 34 B, 34 E 号卷取装置

### 花型驱动机构

带有 3 个花盘的 N 型驱动机构，配有行程变换标准行程：16:1

可供选配行程：12:1 和 24:1

### 电子设备

调速主电机，断电保护，慢速传动功能，额定负荷为 25 千伏安。

### 供油

加热装置，空气流通式热交换器冷却装置，电动循环泵，曲柄轴强制加压润滑，配备防脏报警系统过滤器

Working width	Total width without switch cabinet
工作门幅	机器总宽 (不含电柜)
180 inches (186 inches)	5880 mm
180 英寸 (186 英寸)	5880 mm

## Germany

KARL MAYER Textilmaschinenfabrik GmbH  
Brühlstraße 25  
63179 Obertshausen  
Phone +49 6104 4020  
Fax +49 6104 402600  
E-mail: [info@karlmayer.de](mailto:info@karlmayer.de)

KARL MAYER MALIMO  
Textilmaschinenfabrik GmbH  
Mauersbergerstraße 2, 09117 Chemnitz  
PF 713, 09007 Chemnitz  
Phone +49 371 81430  
Fax +49 371 8143110  
E-mail: [info@karlmayer.de](mailto:info@karlmayer.de)

Sucker Textilmaschinen GmbH  
Rudolfstraße 10  
41068 Mönchengladbach  
Phone +49 2161 654661  
Fax +49 2161 654669  
E-mail: [info@karlmayer-sucker.de](mailto:info@karlmayer-sucker.de)

## Switzerland

KARL MAYER Textilmaschinen AG  
Fabrikstrasse  
CH-9240 Uzwil  
Phone +41 71 9558400  
Fax +41 71 9558487  
E-mail: [info@karlmayer.ch](mailto:info@karlmayer.ch)

## Japan

NIPPON MAYER LTD.  
No. 27-33 1-chome, Kamikitano  
Fukui-City, 918-8522  
Phone +81 776 545500  
Fax +81 776 273400  
E-mail: [info@nipponmayer.co.jp](mailto:info@nipponmayer.co.jp)

## P. R. China

KARL MAYER (China) LTD.  
518 # South Changwu Road  
Wujin District, Changzhou City  
Jiangsu Province, Zip code: 213166  
Phone +86 519 86198888  
Fax +86 519 86190000  
E-mail: [info@karlmayer.com.cn](mailto:info@karlmayer.com.cn)

KARL MAYER (H.K.) LTD.  
Suite 1413, 14th Floor  
Ocean Center, Harbour City  
Tsim Sha Tsui, Kowloon  
Phone +8 52 27239262  
Fax +8 52 27398730  
E-mail: [info@karlmayer.com.hk](mailto:info@karlmayer.com.hk)

## Italy

KARL MAYER ROTAL S.r.L.  
Via Trento N° 117  
38017 Mezzolombardo (TN)  
Phone +39 0461 608611  
Fax +39 0461 601790  
E-mail: [info@karlmayerrotal.it](mailto:info@karlmayerrotal.it)

## UK

KARL MAYER Textile Machinery LTD.  
Kings Road, Shepshed  
Leic. LE 12 9HT  
Phone +44 1509 502056  
Fax +44 1509 508065  
E-mail: [info@karlmayer.co.uk](mailto:info@karlmayer.co.uk)

## USA

KARL MAYER North America  
Mayer Textile Machine Corp.  
310 North Chimney Rock Road  
Greensboro, North Carolina 27409  
Phone +1336 294 1572  
Fax +1336 8540251  
E-mail: [info@karlmayerusa.com](mailto:info@karlmayerusa.com)

[www.karlmayer.de](http://www.karlmayer.de)



**we care about your future**



**KARL MAYER**