

KARL MAYER

WE CARE ABOUT YOUR FUTURE

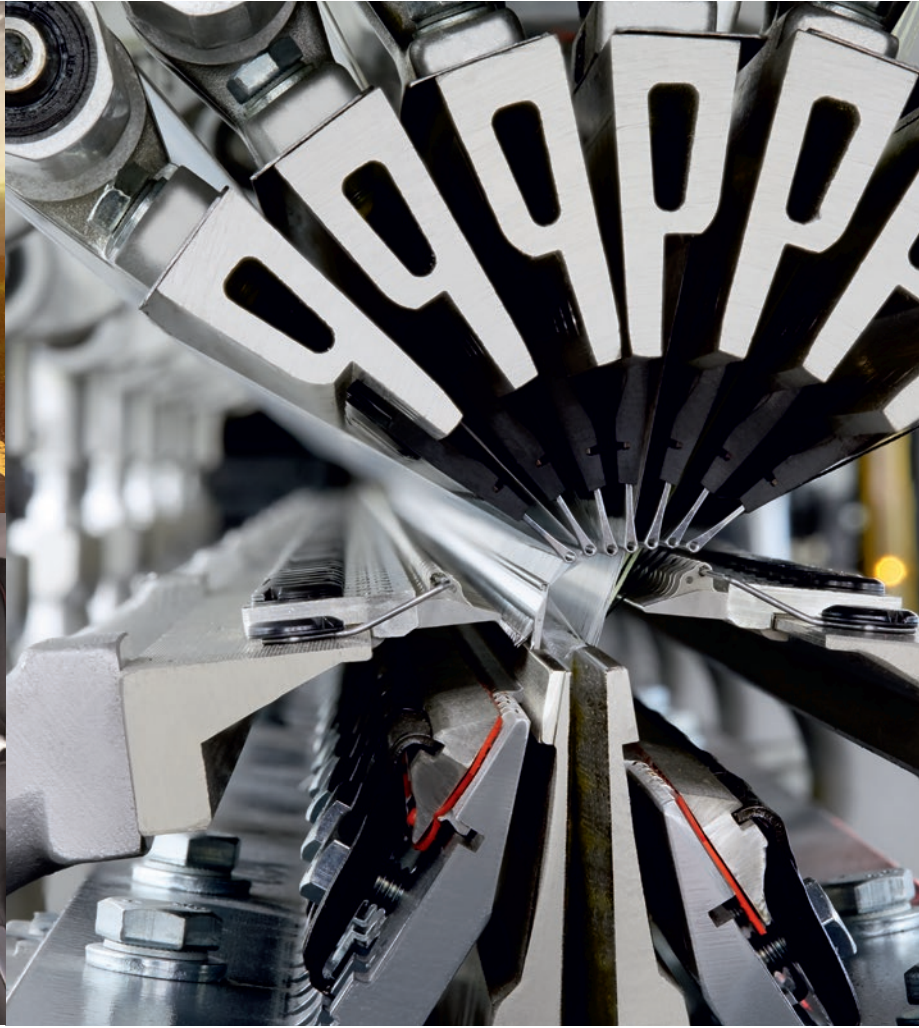


WARP KNITTING
经编机

RD 6/1-12 EN

RD 7/2-12 EN

Double Needle Bar Machines
双针床经编机



DOUBLE NEEDLE BAR MACHINES: SPACE FOR NEW IDEAS AND SOLUTIONS

双针床经编机：
为全新的设想和解决方案提供广阔的空间



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

High-performance Raschel machines for flexible and technical spacer fabrics 生产多样化间隔织物的高性能拉舍尔经编机

Warp-knitted spacer fabrics consist of a top surface, a bottom side and a pile yarn layer in between – three elements which can be shaped in most variable forms. Whilst the design of the cover faces is determined by selecting the appropriate stitch densities, the space in the textile is determined by the laying angle and by the density of the pile yarns. The outstanding variety achieved in this way is not only decisive for the appearance of the article but also for the specific properties of the textile spacer fabrics.

Climatic regulation

- High breathability
- Well-directed moisture and heat management
- Can act as insulator and buffer for humidity and heat

Elasticity of compression

- Pile yarn offers excellent padding properties
- Efficient relief for bearing loads due to large contact surface

Stretching ability

- Well-directed setting of elasticity in longitudinal and cross-wise directions

Design potential

- Multifaceted surface patternings and 3D structures
- Low volume weight and possibility of function integration

In short: all these aspects turn warp-knitted spacers into a futuristic material which can already be used here and now.

经编间隔织物由正反两表面以及位于中间的间隔层组成——这三部分可以根据需要形成各种结构。间隔织物的表面特征取决于线圈的排列密度，间隔层由间隔丝的排列角度和密度所决定。通过这种方式，我们不仅能决定间隔织物的外观，还能赋予间隔织物独特的内在特性。

气候调节

- 优良的透气性
- 定向的水汽和热量交换
- 湿气与热量的绝缘区和缓冲区

压缩弹性

- 间隔丝提供杰出的填充性能
- 由于接触面较大，能有效地减轻负载

拉伸性能

- 良好的纵横向弹性

设计潜能

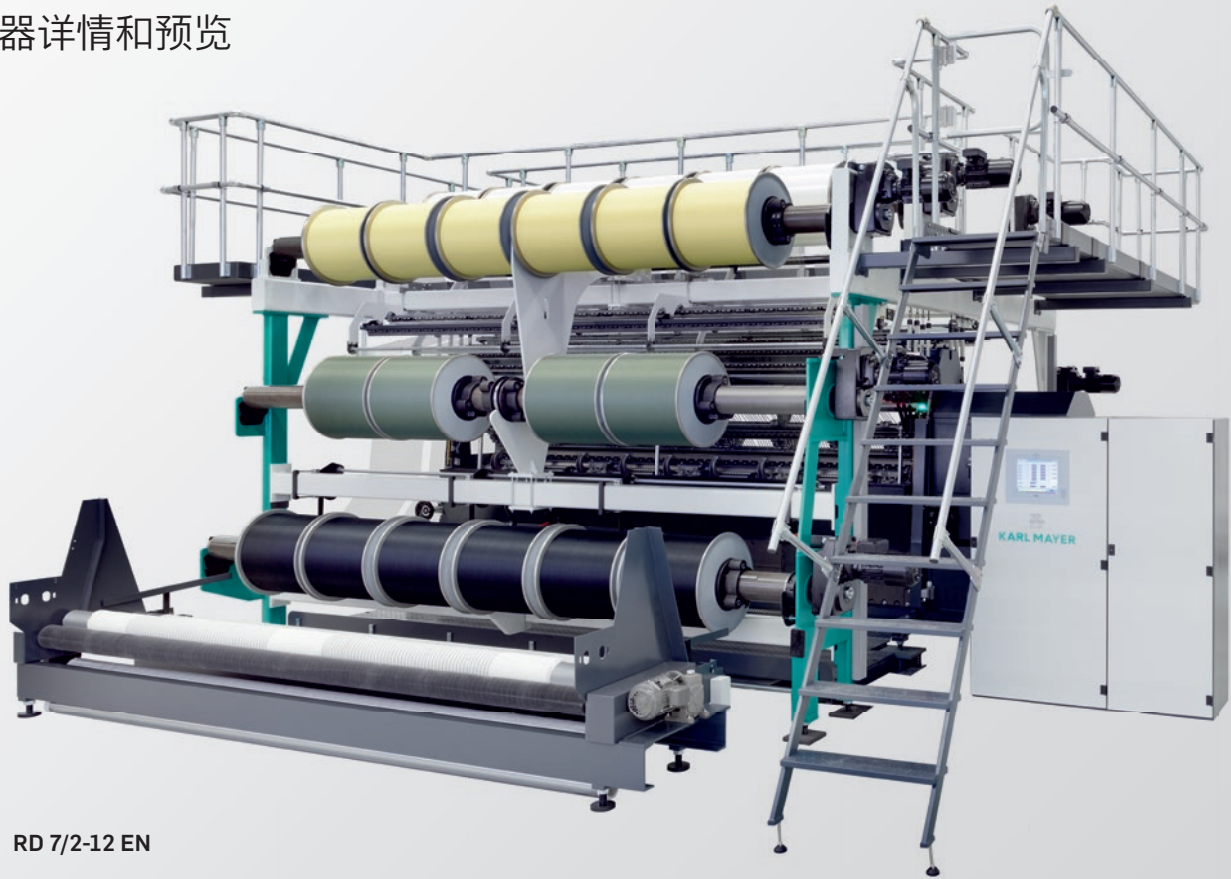
- 灵活的表面提花和三维结构
- 较低的单位体积重量，并可集成功能性特征

简而言之：上述所有特性都使经编间隔织物成为一种新潮材料。

RD 6/1-12 EN; RD 7/2-12 EN

Machine details and overview

机器详情和预览



RD 7/2-12 EN

RD 6/1-12 EN

The flexible high-speed machine for all sorts of spacer and plush articles

- EN – highly efficient production speed combined with easy and flexible patterning
- Easy handling due to stitch comb swivelling device and central trick plate readjustment
- Flexible trick plate distance to serve the needs of various applications
- Option for plush fabrics

生产间隔和毛绒织物的高速双针床经编机

- EN——简单、灵活的提花能力，高效的生产速度
- 沉降片床释放装置和脱圈板中央隔距调节装置的操作简单
- 灵活的脱圈板间距调节，满足不同的应用需求
- 可生产毛绒织物

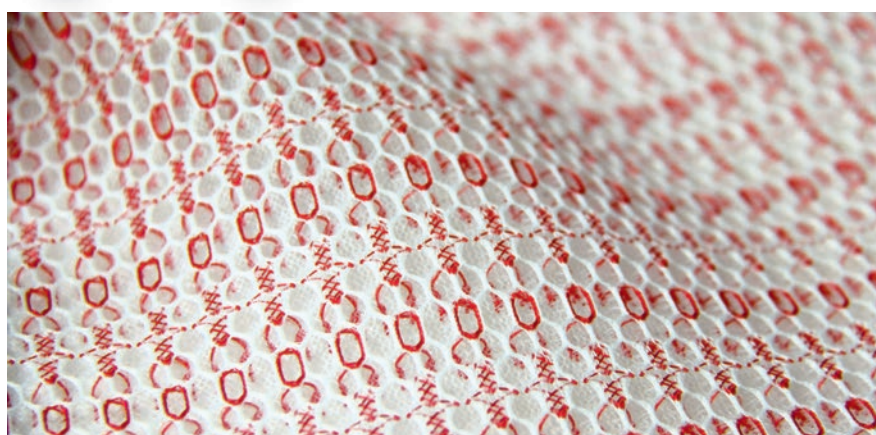
RD 7/2-12 EN

The flexible high-speed machine for all sorts of spacer fabrics

- EN – highly efficient production speed combined with easy and flexible patterning
- Easy handling due to stitch comb swivelling device and central trick plate readjustment
- Wide range of gauges and trick plate distances for various applications

生产间隔织物的灵活型双针床经编机

- EN——简单、灵活的提花能力，高效的生产速度
- 沉降片床释放装置和脱圈板中央隔距调节装置的操作简单
- 多款机号配置、脱圈板间距调节可满足多样化的产品需求



Spacer fabrics offer an extremely high design potential. With their manifold surface patternings, 3D structure and exceptional characteristics, warp-knitted spacer fabrics break down the barrier between textile fabrics and material.

间隔织物提供杰出的设计潜能。多样的表面设计、3D立体结构、独特的性能特征，经编间隔织物打破了面料与材料之间的屏障。

End uses 终端应用 RD 6/1-12 RD 7/2-12

spacer 衬垫	×	×
plush 毛毯	×	
toy plush 玩具绒	×	
shoe fabrics 鞋材	×	×
outerwear 外套	×	×
simplex 辛普勒克斯		
nets 网眼	×	×
seamless 无缝衣物		
medical 医用纺织品	×	×
semi-technical applications 半产业应用	×	×
mattresses 床垫	×	×

RD 6/1-12 EN

Technical data

技术参数

Working width / Gauge

3505 mm = 138" (optional + 2");
E 18, E 22, E 24

Knock-over comb bar distance

1–12 mm, continuously adjustable, incl. patented stitch comb swivelling device

Option: central trick plate distance readjustment

Bars / Knitting elements

Two needle bars with latch needle units, two knock-over comb bars and two moveable stitch comb bars, six ground bars, GB3 and GB4 stitch forming on both needle bars
Option: individual needle bars

Warp beam support

6 × 812 mm = 32"

(free-standing)

Option: 6 × 40"

KAMCOS®

(KARL MAYER COMMAND SYSTEM)

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

Fabric take-up

Four-roller system, driven by electronic drive

Batching device

No. 14-J1

Pattern drive

EN-drive with six electronic guide bar drives

Max. shog distance: ground 18 mm, pile 25 mm

Electrical equipment

Speed-regulated main drive, power-failure-safe with separate fine-positioning function, total connected load 33 kVA

工作门幅/机号

3505 mm = 138英寸
(可加宽2英寸)
E 18, E 22, E 24

脱圈板间距

1–12 mm, 无极调节, 配有受专利保护的沉降片床释放装置

选配: 脱圈板中央间隔调节装置

床体/成圈机件

2个装有舌针针块的针床, 2个脱圈板床以及2个运动的沉降片床, 6把地梳, GB3和GB4在两个针床上都能成圈

选配: 嵌入式针床

经轴架

6 × 812 mm = 32英寸
(独立式)

选配: 6 × 40"

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

织物牵拉机构

4罗拉系统, 由电机传动

卷取机构

14-J1号卷取机构

提花机构

配备6个横移电机的EN提花机构

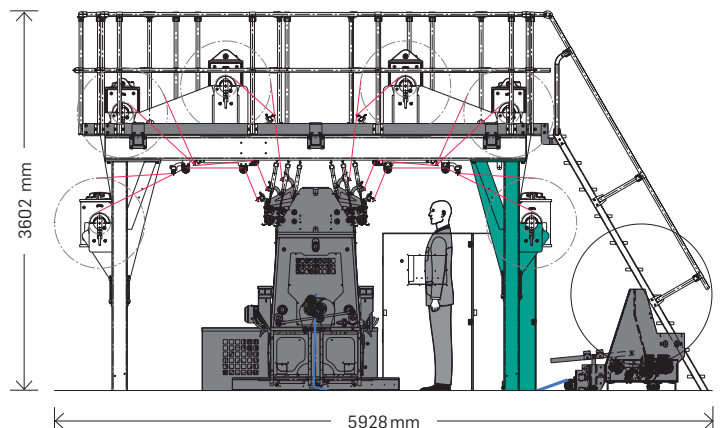
最大横移距离: 地梳18mm, 间隔

丝25 mm

电子设备

调速主电机, 断电保护, 具有独立的精确定位功能, 机器总连接负载33千瓦安

Total width 宽度
6789 mm
Total depth 纵深
5928 mm
Total height 高度
3602 mm



RD 7/2-12 EN

Technical data

技术参数

Working width / Gauge

3505 mm = 138" (optional + 2")
1995 mm = 77";
E 18, E 22, E 24, E 28

Knock-over comb bar distance

2–12 mm, continuously adjustable, incl. patented stitch comb swivelling device
Option: central trick plate distance readjustment

Bars / Knitting elements

Two needle bars with latch needle units, two knock-over comb bars and two moveable stitch comb bars, seven ground bars, GB 4 and GB 5 stitch forming on both needle bars
Option: individual needle bars
Option: GB 3, GB 4 and GB 5 stitch forming on both needle bars

Warp beam support

7 × 812 mm = 32"
(free-standing)

KAMCOS®

(KARL MAYER COMMAND SYSTEM)

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

Fabric take-up

Four-roller system, driven by electronic drive

Batching device

No. 14-J1

Pattern drive

EN-drive with seven electronic guide bar drives
Max. shog distance: ground 18 mm, pile 25 mm

Electrical equipment

Speed-regulated main drive, power-failure-safe with separate fine-positioning function, total connected load 35 kVA

工作门幅/机号

3505 mm = 138英寸
(可加宽2英寸)
1995 mm = 77英寸
E 18, E 22, E 24, E 28

脱圈板间距

2–12 mm, 无极调节, 配有受专利保护的沉降片床释放装置
选配: 脱圈板中央间距调节装置

床体/成圈机件

2个装有舌针针块的针床, 2个脱圈板床以及2个运动的沉降片床, 7把地梳, GB4和GB5在两个针床上都能成圈
选配: 嵌入式针床
选配: GB3, GB4和GB5在两个针床上都能成圈

经轴架

7 × 812 mm = 32英寸
(独立式)

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

织物牵拉机构

4罗拉系统, 由电机传动

卷取机构

14-J1号卷取机构

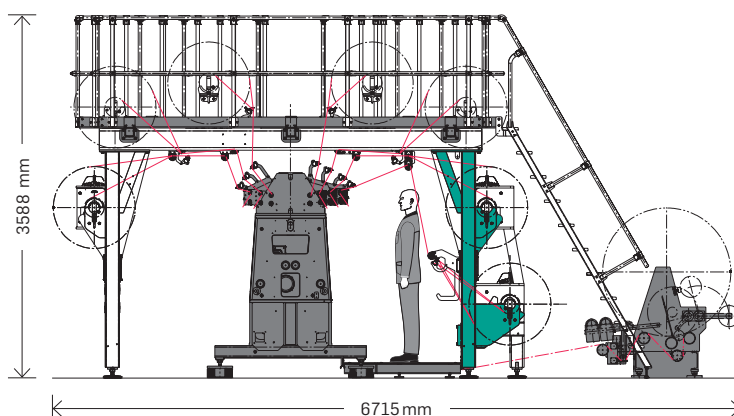
提花机构

配备7个横移电机的EN提花机构
最大的横移距离:
地梳18 mm, 间隔丝25 mm

电子设备

调速主电机, 断电保护, 具有独立的精确定位功能, 机器总连接负载35千伏安

Total width 宽度
7200 mm (138")
Total depth 纵深
6715 mm
Total height 高度
3588 mm



KARL MAYER Worldwide



Europe **Germany** Obertshausen, Chemnitz, Naila **Italy** Mezzolombardo **Switzerland** Uzwil **UK** Shepshed
Asia **China** Changzhou City, Hong Kong **India** Mumbai, Ahmedabad **Japan** Fukui-City
North America **USA** Greensboro

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