



KARL MAYER

WE CARE ABOUT YOUR FUTURE

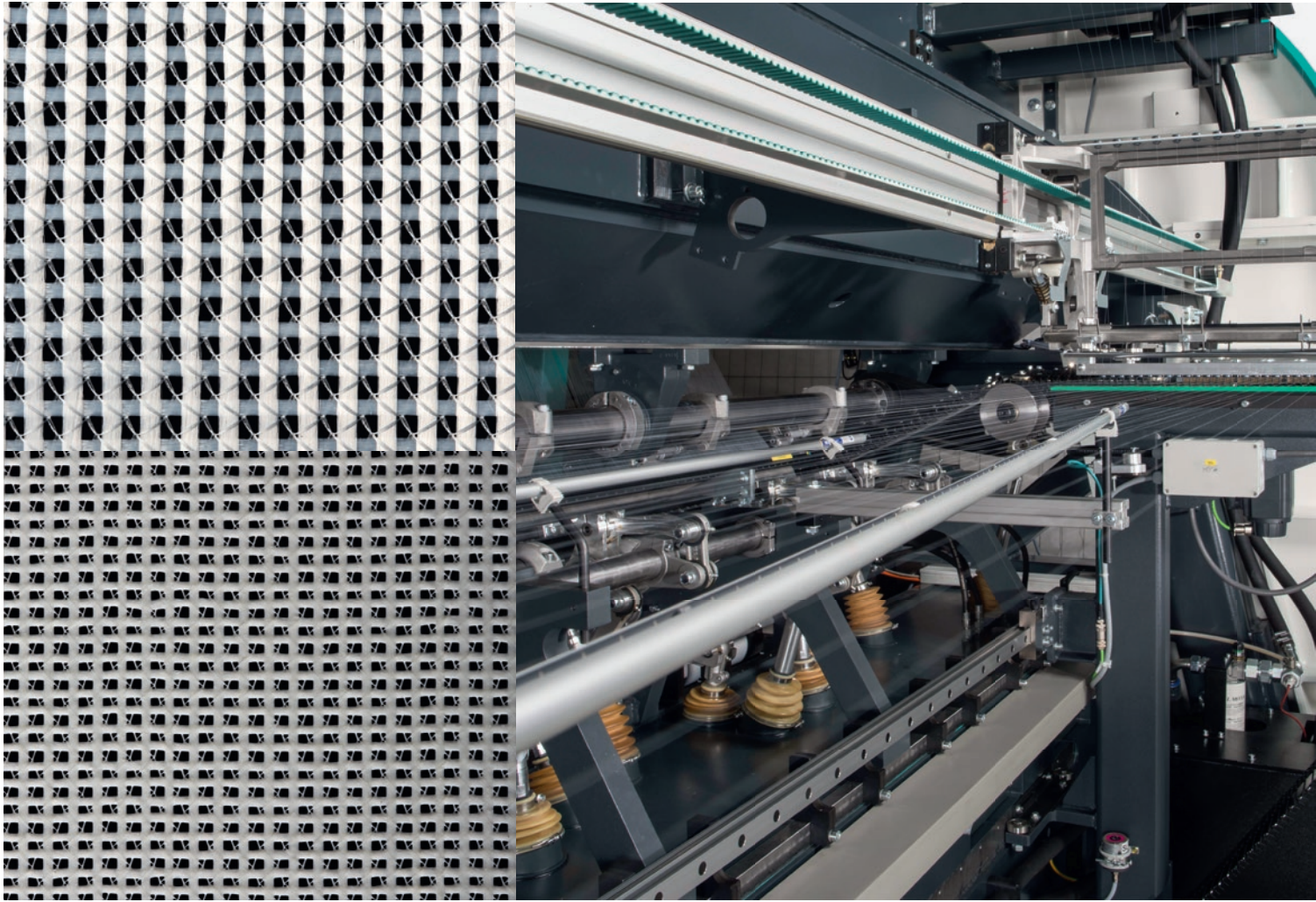


TECHNICAL TEXTILES

产业用纺织品

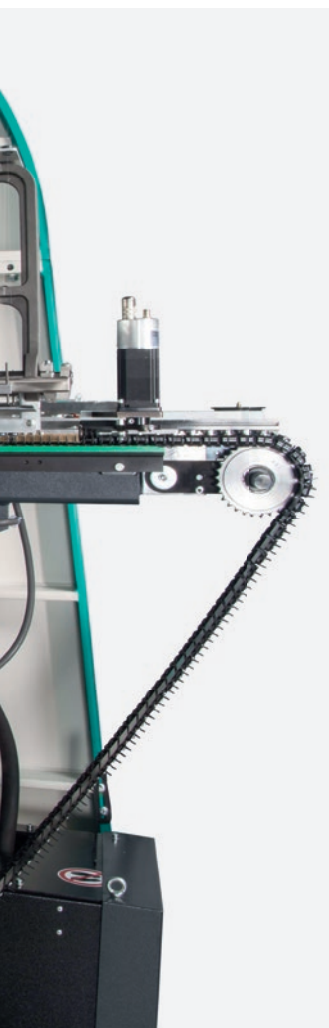
WEFTTRONIC® RS

Warp knitting machine with parallel weft insertion
全幅衬纬经编机



WEFTTRONIC® RS:
LEADERS IN EFFICIENCY

纬弗特簇尼克® RS:
高效生产的领导者



Your Benefit – Our Solution

您的优势 – 我们的解决方案

Maximum cost–performance ratio while maintaining high operating reliability and safety
提供最优性价比、高度的操作可靠性和安全性

Warp knitted fabrics have a remarkably wide range of applications which have to meet the highest technical demands, but at the same time they have to be produced in an economical way.

KARL MAYER's new machine generation WEFTTRONIC® RS Raschel machine with parallel weft insertion offers a maximum cost–performance ratio while maintaining high operating reliability and safety. The outstanding features of this machine generation are its high production output and top fabric quality.

Optimised drive elements and a new weft insertion system

High-tech materials and complex detailed solutions, especially for the drives and for the weft insertion elements, offer highest machine speeds and guarantee gentle yarn processing.

Economical special features

Innovative solutions in the drive system, reduced friction and the resulting low heat emission represent a valuable contribution to low operating costs.

Solid and reliable

In spite of all the high-tech functions, our machines remain a typical KARL MAYER product, offering highest operational reliability, long service life and a valuable piece of engineering work.

经编面料的应用相当广泛。一方面, 它们需要满足较高的应用需求; 另一方面, 它们期望经济、高效的生产方式。

卡尔迈耶新一代全幅衬纬经编机纬弗特簇尼克® RS提供了杰出性价比, 并同时拥有高度的操作稳定性和安全性能。这款机器的杰出特性是较高的面料产量和顶级的织物品质。

优化的驱动元件和全新的铺纬系统

高科技材料和详尽复杂的解决方案(特别是在驱动和铺纬元件方面)实现了机器的高速运转, 同时还确保了对纱线材料的温和加工处理。

经济节约

驱动系统采用了创新型解决方案, 机器运行减少了摩擦, 这大大降低了热量产生, 节约了运营成本。

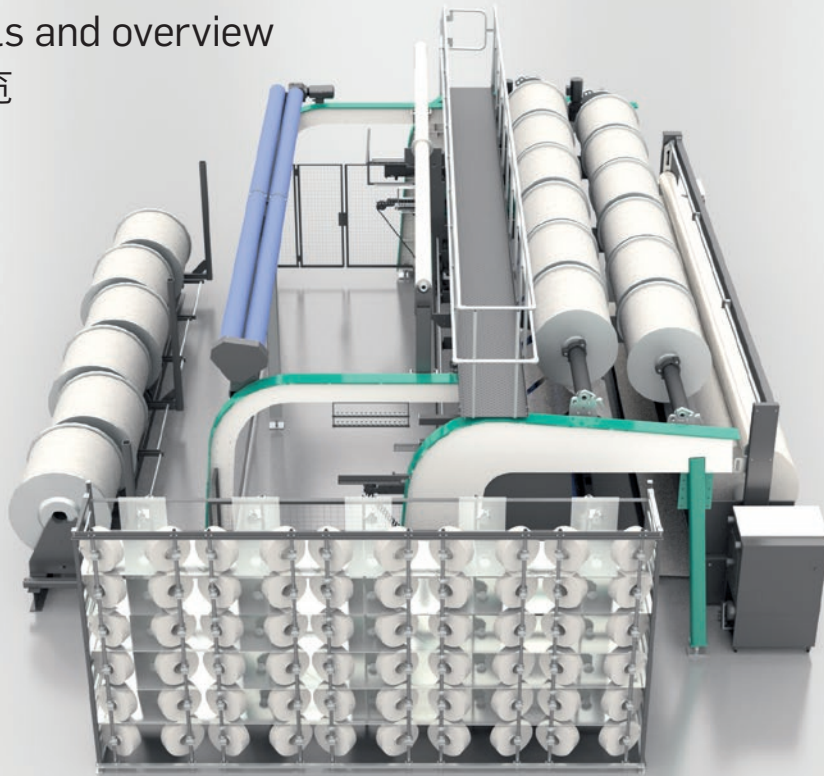
稳定可靠

除了各种高科技功能外, 这款机器是卡尔迈耶的明星产品, 它拥有高度的操作可靠性、较长的使用寿命, 是机械工程中的力作。

WEFTTRONIC® RS

Machine details and overview

机器详情和预览



The WEFTTRONIC® RS is a Raschel machine with parallel weft insertion which is operated with up to three guide bars depending on the application.

Easy reach and handling of all important machine components and the physical proximity of the weft creel and the weft laying system help to increase the user-friendliness and are also important factors in reducing set-up and maintenance times. The compact design of the WEFTTRONIC® RS helps to ensure the optimal use of available production space.

A working width of up to 268 inches ensures maximum flexibility in the downstream process chain, while the opportunity to choose between different kinds of knitting elements ensures top fabric quality for a vast range of applications.

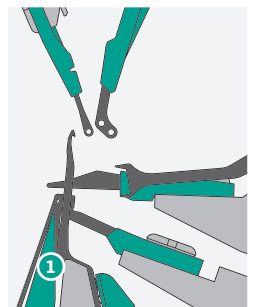
Both closed fabrics and scrims with product-relevant openings of the highest quality and optimal productivity underline the efficiency of contemporary textile machinery building.

全幅衬纬经编机纬弗特簇尼克® RS可以根据需求最多配置三把梳栉。

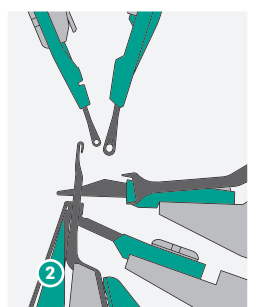
所有重要机器部件操作简单，纬纱架及铺纬系统方便操作者的操控，这增加了用户友好性，这也是缩短安装和维护时间的重要因素。纬弗特簇尼克® RS的紧凑型设计确保了生产空间的最优化利用。

宽达268英寸的工作门幅为后续的生产环节提供最大的灵活性。此外，我们可对成圈机件的型号进行选择，这确保了顶级的织物质量，产品适合各种不同的应用领域。

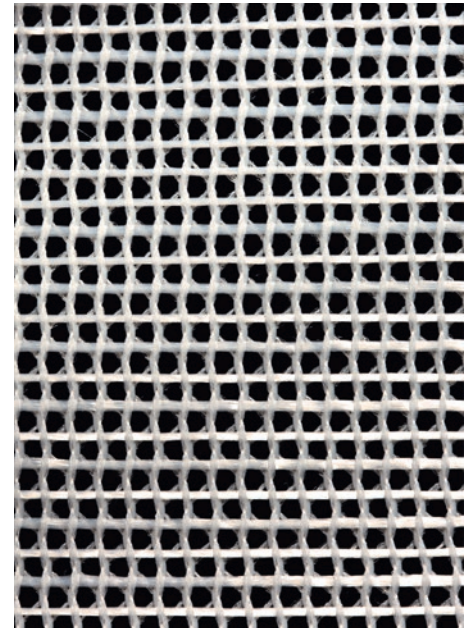
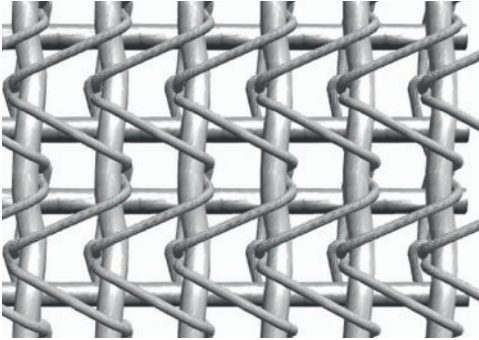
机器所生产的平布和横条遮阳织物拥有最佳的品质和最高的产量，突出了现代纺织机械的高生产效率。



- ① Knitting bars with pointed needle and filler bar with sinker
采用尖头复合针和衬经梳（衬经片）的成圈机件示意图



- ② Knitting area with round needle and filler bar with needles
采用圆头复合针和衬经梳（导纱针）的成圈机件示意图



Due to their excellent properties, the fabrics produced on the WEFTTRONIC® RS machine are ideal for use as advertising means and coating substrates. Especially the extremely high tear propagation resistance of these textile fabrics should be highlighted.

Stretched weft and filler threads, normally high-strength polyester yarns in layers in 90° and/or 0° direction, give the fabrics their own look. The knitting threads in the front guide bars fix them according to the pattern.

由于它们优异的性能，纬弗特簇尼克® RS机器生产的面料是广告布和灯箱布的理想材料。优异的撕裂强度和抗裂纹扩大性能是这类纺织面料的杰出特点。

纬纱和衬经纱通常采用高强度涤纶以90°和/或者0°铺设，织物拥有独特的外观。前梳成圈，根据花型要求将经纱和纬纱固定。

APPLICATIONS

- Advertising media
- Tarpaulins
- Protective textiles
- Coating substrates
- Awnings
- Plaster grids

应用

- 广告布
- 防水油布
- 防护用纺织品
- 灯箱布
- 篷帐布
- 石膏板格栅

WEFTTRONIC® RS

Technical data

技术参数

Working width / Gauge

6807 mm = 268 inches
(270 inches)*
5410 mm = 213 inches
(215 inches)*
4470 mm = 184 inches
(186 inches)*
3505 mm = 138 inches
(140 inches)*

E 9, E 12, E 16, E 18

Other gauges upon request

Widths reducible

268 inches, 213 inches,
184 inches:
maximum 1524 mm (60 inches)

138 inches:
maximum 1270 mm (50 inches)

* Working width extension

Batching device**No. 40**

- Batch diameter of 1270 mm (50")
- Speed-regulated or torque-regulated servodrive
- Batch ejector optionally available
- Batching speed of 7 m/min
- Dancing roller optionally available
- Traversing device optionally available

No. 40-D

- Batch diameter of 1170 mm (46")
- Speed-regulated or torque-regulated servodrive
- Batch ejector
- Batching speed of 7 m/min
- Dancing roller optionally available
- Traversing device optionally available
- Pressure roller on fabric batch

工作门幅/机号

6807 mm = 268英寸
(270英寸)*
5410 mm = 213英寸
(215英寸)*
4470 mm = 184英寸
(186英寸)*
3505 mm = 138英寸
(140英寸)*

E 9, E 12, E 16, E 18

其他机号根据需求

门幅可缩

268英寸, 213英寸, 184英寸:
最窄1524 mm (60英寸)

138英寸:
最窄1270 mm (50英寸)

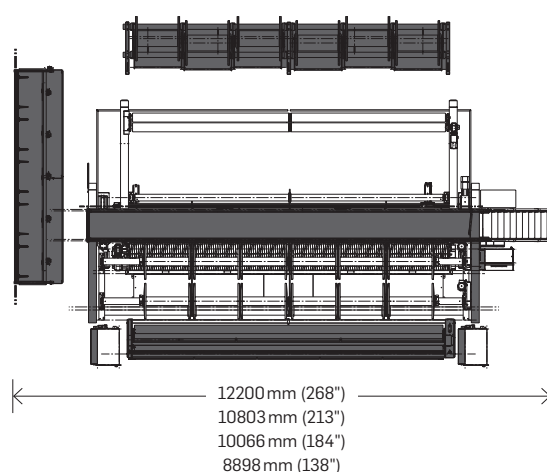
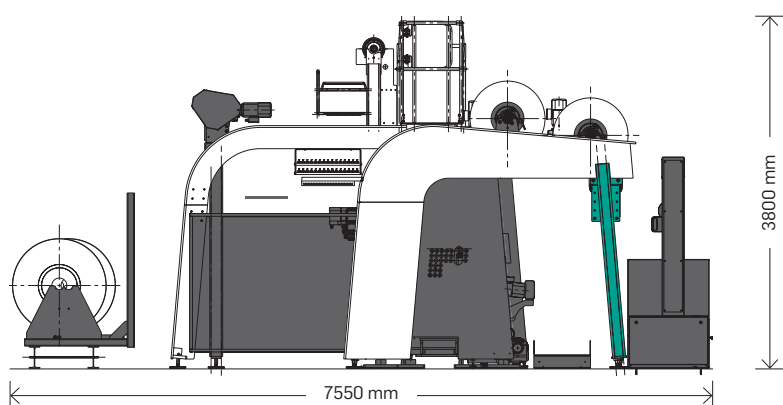
*扩大的工作门幅

卷取机构**40号卷取机构**

- 卷装直径1270 mm (50英寸)
- 调速或力矩电机
- 选配卸布装置
- 卷取速度为7米/分
- 选配张力控制罗拉
- 选配横移装置

40-D号卷取机构

- 卷装直径1170 mm (46英寸)
- 调速或力矩电机
- 卸布装置
- 卷取速度为7米/分
- 选配张力控制罗拉
- 选配横移装置
- 压辊位于卷装上方



WEFTTRONIC® RS

Technical data

技术参数

Bars / Knitting elements

Individual needle bar and tongue bar, stitch sinker bar, knockover sinker bar, knockover plate, one or two ground guide bar(s), one filler thread bar (guides or sinkers), weft insertion bar

Weft insertion system

MSU S with transfer unit, yarn-laying carriage for 30 ends, draw-off from creel

Warp beam support

One or two warp beam position(s), free-standing, for sectional beams of 812 mm (32 inches) flange diameter, one warp beam position of 1016 mm (40 inches) flange diameter, standing separately, for filler threads

KAMCOS® 2

(KARL MAYER COMMAND SYSTEM)

Multitouch operator interface to configure, control and adjust every electronic functionality. KARL MAYER CONNECT user assistance. Multiple interface for third-party software. Easy and intuitive user guidance.

Yarn let-off device

For each completely mounted warp beam position: one electronically controlled yarn let-off drive

Fabric take-up

Two separately driven three-roller systems, electronically controlled

Pattern drive

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

Optional

EL – electronic guide bar drives

床体/成圈机件

嵌入式针床和针芯床, 沉降片床, 脱圈板床, 脱圈板, 1或2把地梳, 1把衬经梳(导纱针或者衬经片), 推纬片

铺纬机构

MSU S铺纬机构, 铺纬小车可携带30根纱线, 从纱架上引纱

经轴架

1或2个独立的经轴位置, 可用边盘直径为812 mm (32英寸) 的盘头。1个独立的经轴位置, 可用边盘直径为1016 mm (40英寸) 的盘头, 用于衬经纱盘头

卡迈酷斯® 2 (卡尔迈耶控制系统)

多触点操作界面, 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。

送经机构

每个经轴位置配备一套电子送经装置

织物牵拉机构

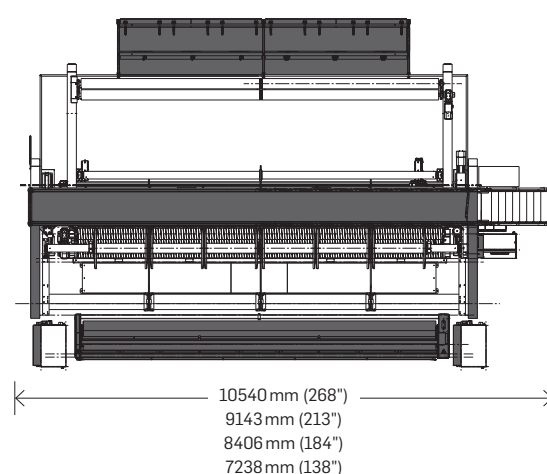
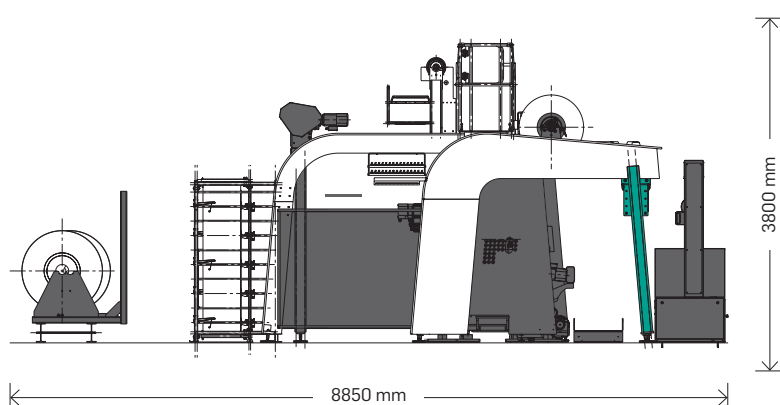
2套独立驱动的3罗拉系统, 电子控制

提花机构

采用花盘的N型横移机构, 包含行程变换齿轮

选配

EL——电子横移机构



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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