



Textronic® Lace
特克斯腓尼克®多梳花边机

TL 71/1/36

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Multibar-Jacquard-Raschel machine for the production of high-quality elastic and rigid lace

生产高质量弹性和非弹性花边的多梳贾卡拉舍尔经编机



KARL MAYER

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Improved patterning possibilities combined with increased productivity, high performance and top quality, based on the well-proven *Textronic® lace* machinery concept, are offered by the *Textronic® lace* TL 71/1/36 – KARL MAYER'S latest development for the sector of first-class, sophisticated lace articles with three-dimensional effects. Compared to the existing model TL 66/1/36, an even further improvement of the design quality has been achieved by increasing the number of string bars behind the fall plate from 24 to max. 30. Besides, the performance of this machine type was optimized by a lot of detailed technical improvements, thus, offering our customers maximum increase in productivity along with constant top quality of the textile products.



Exceptional and wide-ranging designs can be made by means of the additional pattern guide bars, in connection with a shog distance of up to 170 needles, thus, enabling the lace manufacturers to enhance their products – compared to the other *Textronic® lace* articles already available on this market segment. The technology of machine type TL 71/1/36 is also in conformity with the latest state of the art requirements, offering easy operation and control of all the machine elements. Pattern guide bars driven by servomotors as well as top operating reliability and low maintenance set a high standard for the used drive concept. Working with the new machine generation is made easier by the electronic fabric take-up and the batching device, which meanwhile belong to the usual machine features. The modern operator interface with Touch screen ensures easy access to all important machine data, considerably facilitating the machine operation. The machine control computer equipped with Ethernet and a new convenient USB interface for the loading of pattern data allows networking of machines with the other existing machinery and with a control station. All the operating elements are clearly and ergonomically arranged. High-tech manufacturing plants and permanent quality control guarantee highest precision and long service life of all the machine components. Completely new applications, a greater range of designs, high production output, and technical perfection are some of the advantages offered by the new generation of *Textronic® lace* TL 71/1/36.

以特克斯簇尼克®多梳花边机的成功理念为基础，TL71/1/36型特克斯簇尼克®多梳花边机集强大的花型生产能力，较高的生产效率，优异的性能和一流的品质于一体，该机型生产三维立体效应的高品质蕾丝花边，是卡尔迈耶的最新产品。与现有的TL66/1/36相比，压纱板后的花梳从24把增加到30把，这极大的提升了花型品质。

此外，众多细节上的技术改进优化了这款机型的性能，这使我们的客户能最大限度的提升产量并保证稳定优异的产品质量。新添加花梳的最大横移距离为170针，这使得花型更为精致，设计范围更为广阔。因此，花边生产商可以生产出更高品质的产品——与市场上现有的特克斯簇尼克®多梳花边相比。

TL 71/1/36的机器技术完全满足艺术级的条件，机器所有部件操作简单，控制便捷。花梳由伺服电机驱动，顶尖的操作可靠性和较少的保养维修为已有的驱动理念树立了新的标准。电子织物牵拉卷取机构使得新一代机器的操作更为简单，现代化触摸屏操作界面使机器操作者可以方便快捷地获得重要机器数据，同时也简化了机器操作。

控制机器的计算机装配有以太网和用于花型数据传输的USB接口，确保机器与机器，机器与控制站之间的联网。所有工作部件安装准确，能发挥最大效能。高科技生产工厂和稳定的质量控制保证了所有机器部件的高精度与耐久持久性。全新的应用，多样化的设计空间，高产量，以及完善的技术是新一代TL 71/1/36特克斯簇尼克®花边机的优点

TL 71/1/36

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生产高质量弹性和非弹性花边的多梳贾卡拉舍尔经编机

unbeatable productivity

extended patterning possibilities

high degree of flexibility

modern control system

first-class quality

short set-up times

simple handling

highest operating reliability and easy maintenance

超高的生产效率

宽泛的起花能力

高度灵活性

现代化控制系统

一流的品质

简短的设置时间

简易的操作

高度的操作可靠性和简易的维护保养



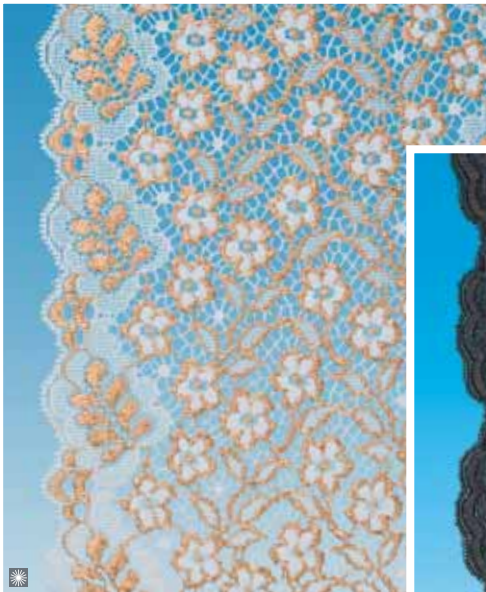
Textronic® Lace

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TL 71/1/36

Applications

应用

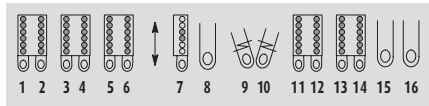
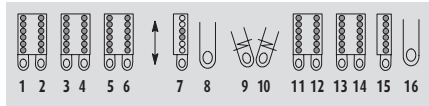


Customer pattern
客户样本

TL 71/1/36

Technical data

技术参数



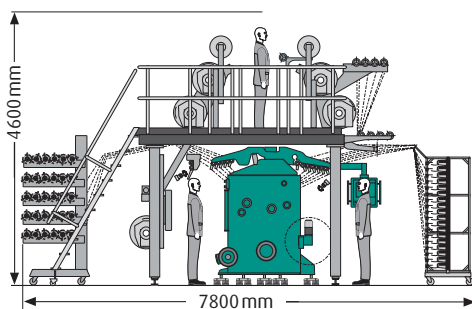
KARL MAYER Service Plus

Service package
Teleservice for increased availability and productivity of KARL MAYER machines equipped with *KAMCOS*[®]

卡尔迈耶远程服务

服务包
提升卡尔迈耶机器效用和生产力的远程监控, 装配*KAMCOS*[®]

Total width	Total depth	Total height
总宽度	总长度	总高度
7600 mm	7800 mm	4600 mm



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TL 71/1/36 *Textronic*[®] Lace

Working width/gauge:

3353 mm = 132 inches (+2 inches selvedge extension), E 24

Bars/knitting elements

Individual needle bar, tongue bar, knockover comb bar and stitch comb bar, 36 pattern guide bars (string bars 1 to 36) in front of the fall plate, 2 or 4 pattern guide bars for picot edge (string bars 38 to 41). One ground guide bar (GB 44), one Jacquard bar in split execution (JB 45/46), 30 pattern guide bars (string bars 47 to 76), 1 ground guide bar (GB 78, elastane)

Option:

Additional ground guide bar (GB 77) with yarn let-off gear in position 15 instead of pattern guide bars (string bars 71 to 76)

Yarn let-off device

3 electronically controlled yarn let-off gears for GB 44, JB 45/46 and GB 78

Pattern drive EL

Electronic guide bar control, ground guide bars and Jacquard bars EL type 4, pattern guide bars (string bars) EL type 3

KAMCOS[®] (KARL MAYER COMMAND SYSTEM)

Motion Control/Multi Speed for the control of the basic functions. Pattern Control for the control of the ground guide bars, pattern guide bars and Jacquard bars. USB port used for USB memory stick for reading and writing pattern data. Optional 3 1/2" USB disk drive. Operator interface with Color Touch screen for production data display, network interface (Ethernet) for data collection, Teleservice, and integrated yarn inspection – Laserstop.

Fabric take-up

Electronically regulated fabric take-up, driven by geared motor, consisting of 4 rollers covered with Black Grip Tape

Batching device

Batching device No. 13 D integrated, centrally driven, max. batch diameter of 762 mm (30")

Electrical equipment

Speed-regulated drive, connected load 31 kVA

Operating conditions for piezoelectric elements

Relative air humidity: max. 65 %

Performance (speed)

Max. 500 rpm depending on the lapping and the yarn type to be processed

TL 71/1/36 特克斯簇尼克[®]多梳花边机

工作宽度 / 机号

3353 mm = 132 英寸 (+2 英寸的布边拓宽) E 24

梳栉 / 成圈机件

单个针床, 针芯床, 脱圈板床, 沉降片床, 36把花梳(钢丝花梳1至36)在压纱板前, 2至4把梳栉作牙边(钢丝花梳38-41)。一把地梳(GB 44), 一把分离式贾卡梳(JB 45/46), 30把花梳(钢丝花梳47至76), 1把地梳(GB 78弹性纱)。

可选配置

在15位置, 可以用带有电子送经的地梳(GB 77)来代替钢丝花梳(71至76)。

送经装置

GB 44, JB 45/46和 GB 78 采用电子送经。

EL横移装置

电子梳栉横移控制, 地梳和贾卡梳采用EL 4型, 花梳(钢丝花梳)采用EL 3型。

KAMCOS[®] (KARL MAYER COMMAND SYSTEM)

卡尔迈耶控制系统
多速运动控制系统可以实现机器的基本功能。花型控制系统控制地梳, 花梳和贾卡梳的横移。通过支持U盘的USB插口可读取和写入花型数据, 也可以选用3.5英寸软盘。彩色触摸屏操作界面可以显示生产数据, 网络接口(以太网)可用于数据采集和网络远程服务, 光电自停装置可以对纱线进行检测。

织物牵拉装置

电子控制的织物牵拉装置, 由四个包覆黑色包布的罗拉组成, 通过马达传动, 由运动控制系统控制。

卷取装置

采用13D卷取装置, 轴向卷取, 最大卷取直径: 762 mm (30英寸)。

电子设备

调速传动, 机器总连接负荷: 31 kVA

匹艾州贾卡元件的工作环境要求

最大空气湿度为65%

性能

最高速度500转/分, 受织物结构和纱线种类的影响。

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