

ML 45

ML 45

Multibar Raschel machine for the production of patterned elastic and rigid lace

用于生产弹力和刚性提花花边的多梳拉舍尔经编机



KARL MAYER

ML 45

Multibar Raschel Machine for the production of patterned elastic and rigid lace

用于生产弹力和刚性提花花边的多梳拉舍尔经编机

With the development of the new ML 45 Multibar Lace machine, Karl Mayer sets new standards in terms of production output and quality both concerning the machine and the articles produced on this machine type.

Highest precision and perfect tuning of all the knitting elements make it possible for the lace manufacturer to take full advantage of the existing performance potential of this new Multibar lace machine. Being equipped with 42 string bars, which can also be partly fitted with

随着 ML 45 多梳花边机的问世，卡尔迈耶在该机器和其产品上设置了生产率和质量结合的新标准。

高精度和所有针织部件的优化组合使得新的多梳花边机得以充分发挥现有的功率潜能。ML 45 花边机配有 42 个 string 梳栉，其中的一部分可安装多个导纱针，是生产非贾卡结构的条形花边和满地花纹花边理想的选择。非常高的功率潜能和很大的灵活性使该机器能够在



multiple guide fingers, the ML 45 is the ideal machine for making lace bands and all-over lace fabrics without Jacquard structure. The exceptionally high machine performance combined with its extreme flexibility offer the user the possibility to meet the various market requirements within a short period of time. Similar to all the other machines belonging to Karl Mayer's new construction series, type ML 45 is also equipped with the well-tried string bar concept, which allows a shog distance of 170 needles. Another important feature of this machine, compared to similar Multibar lace machines, is a considerably wider range of patterns that offers the lace producer a high level of creative freedom in designing his lace articles.

Besides, the technical equipment of this machine is also state-of-the-art, being distinguished by ease of operation and simple control of all the elements. Pattern guide bars driven by servomotors, combined with high operating reliability, and low maintenance are crucial factors for the employed drive concept. Electronic fabric take-up and batching device make the work with this machine generation easier.

The modern operator interface with touch screen ensures easy access to all important machine data, considerably facilitating the machine operation. All the operating elements are clearly and ergonomically arranged. High-tech manufacturing plants and permanent quality control guarantee highest precision along with long service life of all the machine components. This newly developed ML 45 Multibar Raschel machine has a very high technological level, offering top efficiency and the usual excellent quality standard.

最短的时间内满足不同的市场需求。和新系列的所有机器一样，ML 45 也采用经过实践检验的 string 梳栉方案，该方案允许 170 根针的横移。与其他多梳花边机相比，该机器提供的提花样式要多得多，这样花边制造商在设计上就有很大的自由度。

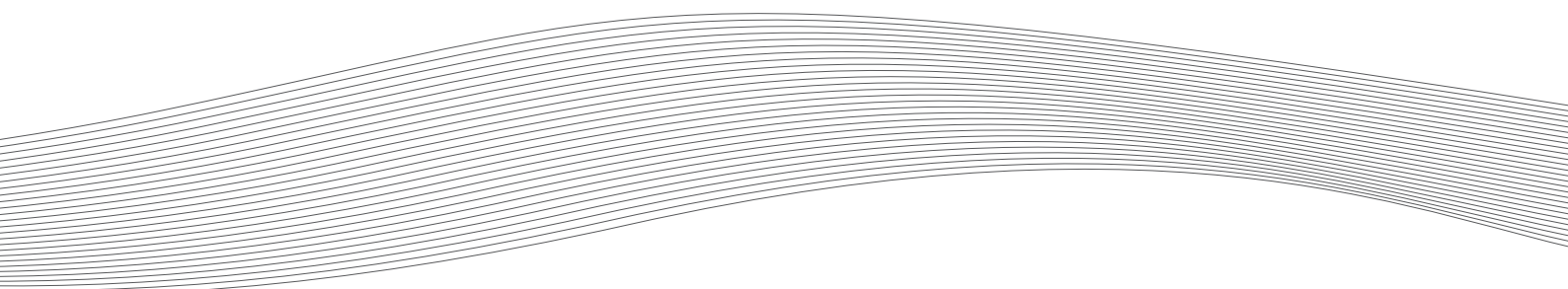
该产品系列拥有最新的技术配备，对所有部件的操作和控制都很简便。提花梳栉由伺服电动机驱动，运行可靠并且维护费用低，对使用的驱动方案起了指导性的作用。电子卷取装置和织物卷装装置让操作该新一代机器变得更简单。

现代的操作表面带有触摸屏，运营商可以看到所有重要的机器数据，可以很方便地操作机器。所有的操作单元都一目了然，使用方便。最现代的制造设备和经常进行的质量检查保证了最高的准确性，并使所有部件都能达到最长的寿命。

新开发的 ML 45 多梳拉舍尔经编机在生产率和效率方面达到了极高的水平，还一如既往地保证了高的质量标准。

Highest productivity
Extended patterning possibilities
Short set-up times
Top flexibility
Modern control system
Easy handling
Extreme operating reliability and low maintenance

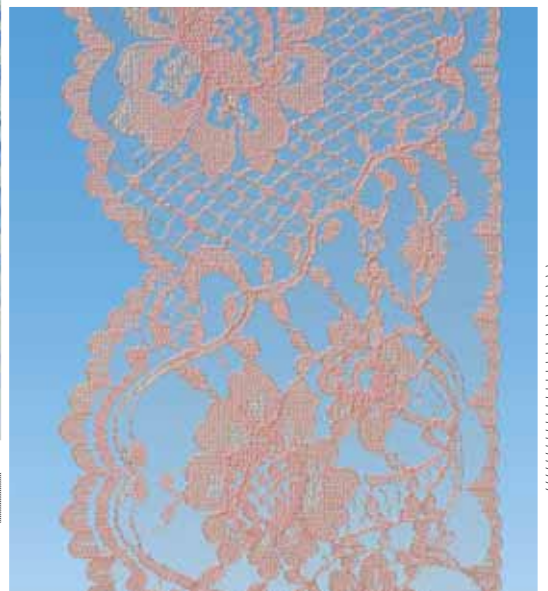
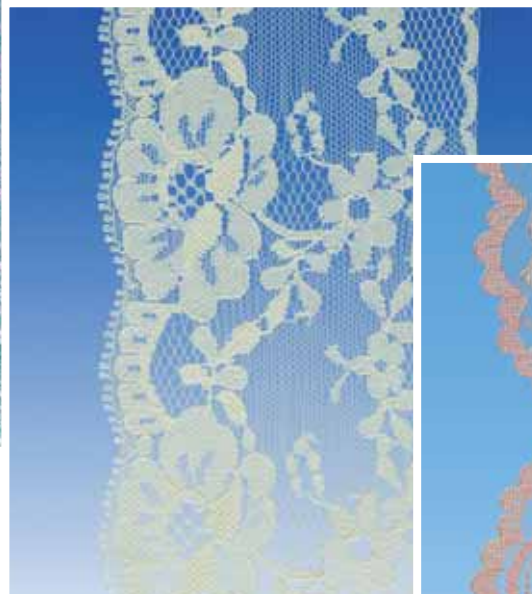
最高的生产率
更多的提花可能性
调试时间短
很高的灵活性
现代化的控制装置
操作方便
运行安全，维护简便



ML 45

Applications

应用



verkürzte Seite / Klappseite

ML 45

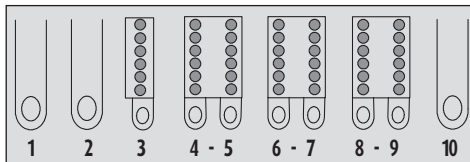
Technical data

技术参数

ML 45

Working width / Gauge

3353 mm = 132 inches
(+2 inches selvage extension to 134 inches)
E24

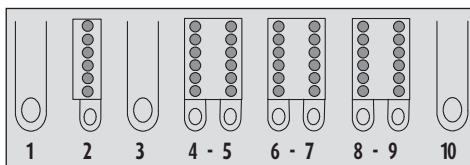


Bars / knitting elements

Individual needle bar, knockover comb bar, Tongue bar, movable stitch comb bar, 3 ground guide bars (GB 1, GB 2 changeable in position string bars 3-8 and GB 47 elastane), 42 pattern guide bars (string bars 10-45)

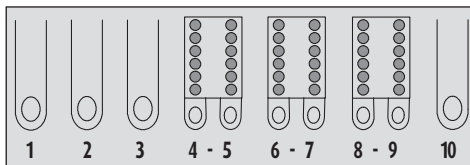
Option

Additional ground guide bar (GB 9) for yarn let-off gears position 2 instead of pattern guide bars (string bars 3-8). Additional ground guide bar (GB 46) for yarn let-off gears position 10 instead of pattern guide bars (string bars 40-45).



Yarn let-off device

3 electronically controlled yarn let-off gears for GB 1, GB 2, and GB 47 elastane, driven by geared motor, controlled by Motion Control.



Pattern drive EL

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

KARL MAYER Service Plus

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

卡尔迈耶的附加服务 服务包

通过远程服务技术和*KAMCOS*[®]系统提高卡尔迈耶机器的生产率和可用性

KAMCOS[®] (KARL MAYER COMMAND SYSTEM) for the control of the basic functions. Pattern Control for the control of the ground guide bars and pattern guide bars. USB port used for USB memory stick for reading and writing pattern data. Optional USB disk drive for 3 1/2" floppy disk. Operator Interface with Color Touchscreen for production data display, network interface (Ethernet) for data collection, Teleservice, and integrated yarn inspection-Laserstop

Fabric take-up

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

Batching device

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

Electrical equipment

Speed-regulated drive, connected load of the machine 25 kVA.

Operating conditions

Relative air humidity: max. 65%

Performance (speed)

Max. 800-850 rpm dependig on lapping and on the yarn type to be worked.

ML 45

工作幅度 / 机号
3353 mm = 132"
(+2", 拉幅增加到了134")
E24

梳栉/编织部件
单针床、脱圈梳板、推杆针板、可动的握持片床、3个地梳(GB1, GB2 (可在string bars 3-8的位置上互换)和 GB47 Elastan)、42个花梳(string bars 10-45)

可选
附加的地梳(GB 9)和处于2号位的送经箱替代了花梳(String bars 3-8)。附加的地梳(GB 46)和处于10号位的送经箱替代了花梳(String bars 40-45)。

送经装置
3个电控的送经传动装置, 用于GB1、GB2和GB47 Elastan, 由齿轮马达驱动, 由Motion Control来控制。

提花传动装置 EL
电控梳栉, 地梳EL-4型, 提花梳栉 (String bars) EL-3型

KAMCOS[®] (卡尔迈耶命令系统) 该系统用来控制基本的功能。对地梳和花梳的提花控制。USB接口可连接USB优盘, 用来读写提花数据。USB启动盘也可用作3 1/2"磁盘的驱动器。运行界面配有显示产品数据的彩色触摸屏, 利用网络接口(以太网)收集数据, 远程服务技术和集成的纱线监督 - 利用激光技术

织物卷取装置
电子控制的卷取装置, 4个裹了Black-Grip-Tape的滚筒, 由齿轮马达驱动, Motion Control系统控制。

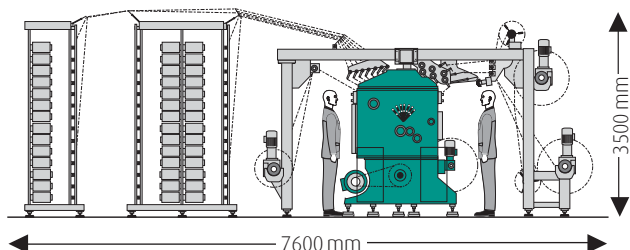
卷装装置
13D号集成卷装装置, 中心驱动, 最大布卷直径为762 mm (30")。

电子设备
可调速的传动装置, 机器的总功率为25 kVA。

运行条件
最大空气湿度: 65 %

功率
最大 800-850 rpm, 取决于垫纱和使用的材料。

Total width 总宽度	Total depth 总长度	Total height 总高度
7600 mm	7900 mm	3500 mm



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

Germany

KARL MAYER Textilmaschinenfabrik GmbH
Brühlstraße 25
63179 Obertshausen
Phone +49 6104 4020
Fax +49 6104 402 600
E-mail: 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

Sucker Textilmaschinen GmbH
Blumenberger Straße 143-145
41061 Mönchengladbach
Phone +49 2161 654661
Fax +49 2161 654669
E-mail: info@karlmayer-sucker.de

Japan

NIPPON MAYER LTD.
No. 27-33 1-chome, Kamikitano
Fukui-City, 918-8522
Phone +81 776 54 5500
Fax +81 776 27 3400
E-mail: info@nipponmayer.co.jp

P. R. China

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

KARL MAYER (H. K.) LTD.
Suite 1413, 14th Floor
Ocean Center, Harbour City
Tsim Sha Tsui, Kowloon
Phone +852 27239262
Fax +852 27398730
E-mail: 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

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

USA

KARL MAYER North America
Mayer Textile Machine Corp.
310 North Chimney Rock Road
Greensboro, North Carolina 27409
Phone +1 336 2941572
Fax +1 336 8540251
E-mail: info@karlmayerusa.com

www.karlmayer.de



we care about your future



KARL MAYER