



JL 42/1B4 | JL 42/1F

Jacquardronic® Lace  
贾卡簇尼克®多梳花边机

## JL 42/1B | JL 42/1F

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**

## JL 42/1B | JL 42/1F

# 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

Maximum cost-performance ratio offered by the new lace machines belonging to the JL 42/1 series. By means of a well-directed upgrading of the most important machine components it has been possible to increase the machine performance by 40% compared to the *Jacquardtronic® Lace* machines type JL 42/1B and JL 42/1F already existing on the market. High operating reliability and safety are the outstanding features of this new machine generation producing at maximum efficiency.

JL42/1系列的新型多梳花边机提供最优性价比。通过改进最重要的机器部件，机器性能比市场上现有的贾卡簇尼克®多梳花边机JL42/1B和JL42/1F提升了40%。高度的运行稳定性和安全性是该新一代机器在高效生产时的杰出特点。由于性能的优化，这些机器为贾卡簇尼克®花边获得利润可观，优质高效的生产提供了先决条件。钢丝花梳等经实际生产检验的机器部件和机器的一些其它技术特征，使JL42/1B机器在每个生产周期都能保持稳定运行。



Due to their increased performance these machines offer the optimum prerequisites for a profitable and efficient production of *Jacquardtronic® Lace* articles for the medium lace segment. Well-proven components such as the string bar patterning unit along with other fully-developed technical features guarantee a reliable machine operation during every single production cycle, at high production speeds. Of course, easy handling and short set-up times as well as rapid pattern changes have been maintained. The designer can still use shog distances of the string bars of up to 170 mm, opening up entirely new perspectives for his creative freedom in the working-out of sophisticated patterns. Other advantages are the electronic fabric take-up and the batching device as well as the up-to-date operator interface, allowing the management of all the important parameters, at the same time ensuring the operator's easy access to all significant machine data. 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 only some of the advantages of the new generation of *Jacquardtronic® Lace* machines.

当然，简单的操作和较短的设置时间以及快捷的花型变换等优点得以继续保持。

设计者仍能利用横移距离宽达170mm的钢丝花梳，获得更大的空间，来设计出精致的花型。

其他优点还包括电子织物牵拉装置，卷曲装置，以及最新的操作界面，该界面使得重要数据获得妥善的管理，同时确保操作者便捷地获得所有重要机器数据。控制机器的计算机装配有以太网和用于花型数据传输的新式USB接口，确保机器与机器，机器与控制站之间的联网。所有工作部件安装明确，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持久。全新的应用，多样化的设计空间，高产量，以及完善的技术仅仅是新一代贾卡簇尼克®花边机的部分优点。



# JL 42/1B | JL 42/1F

## 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

Highest productivity

top quality

modern control system

extreme reliability and low maintenance

short set-up times

easy handling

highest flexibility

最高的生产率

高品质

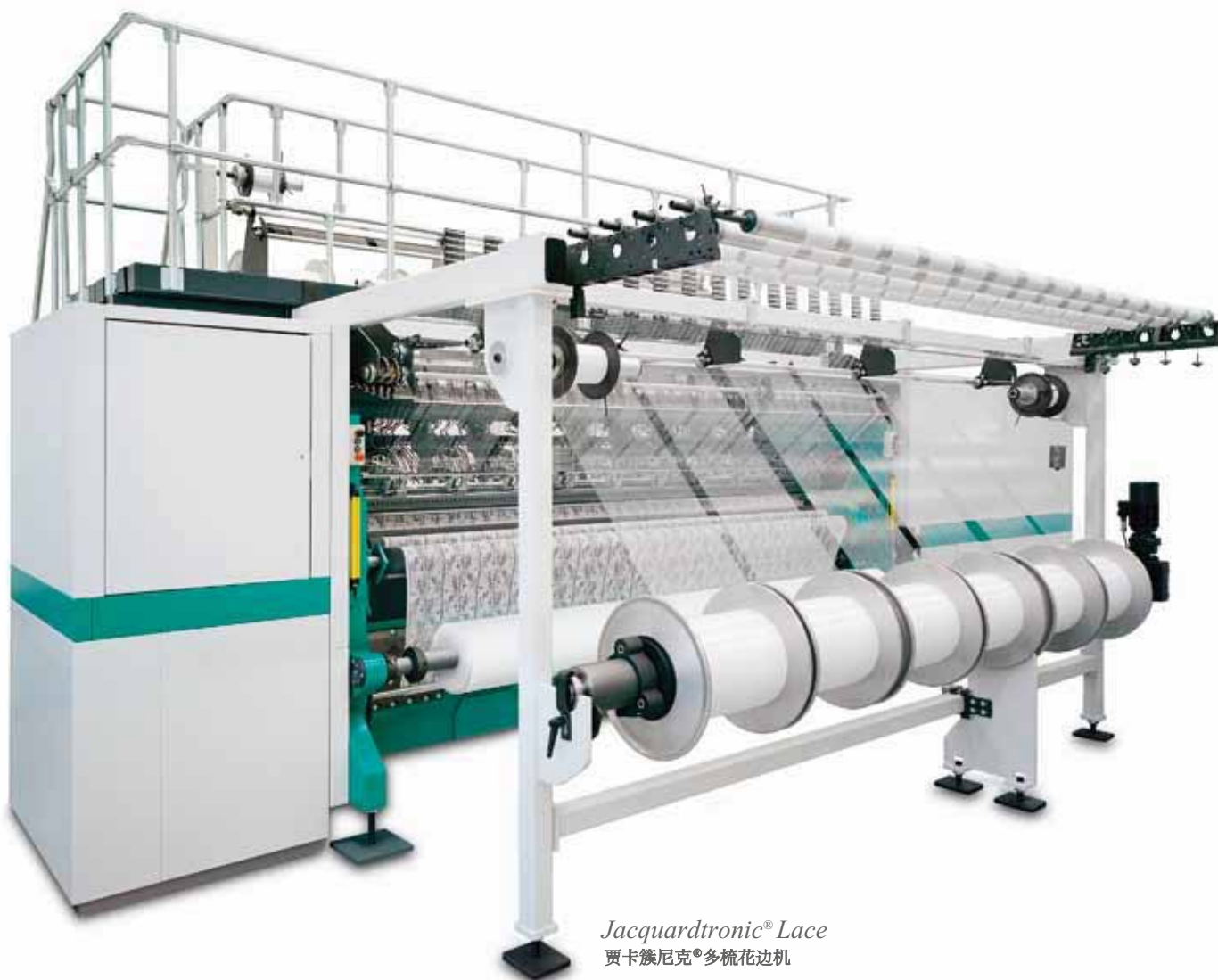
现代化控制系统

稳定的系统

简短的设置时间

简易的操作

高度的灵活性



*Jacquardtronic® Lace*

贾卡簇尼克®多梳花边机

# JL 42/1B

## Technical data

技术参数

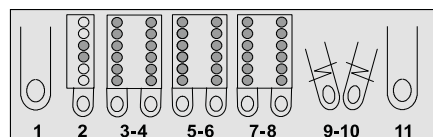
### JL 42/1B Jacquardtronic® Lace

#### Working width/Gauge:

3353 mm = 132 inches (+2 inches selvage extension to 134 inches) E 24

#### Bars/knitting elements

Individual needle bar, knockover comb bar, tongue bar, stationary stitch comb bar, Jacquard bar in split execution (JB 45+46), 2 ground guide bars (GB 1 and GB 47 elastane), 2 to 4 pattern guide bars (string bars 3 to 6) for picot edge or patterning, 36 pattern guide bars (string bars 9 to 44)



#### Yarn let-off device

3 electronically controlled yarn let-off drives for GB 1, JB 45/46 and GB 47 elastane, driven by geared motor, for working with Multi Speed, controlled by Motion Control

#### Pattern drive EL

Electronic guide bar control, ground guide bars and Jacquard bar 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 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 of 762 mm (30 inches)

#### Electrical equipment

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

#### Operating conditions for piezoelectric elements

Max. air humidity: 65 %

#### Performance (speed)

Max. 850 rpm depending on the lapping and yarn type to be processed

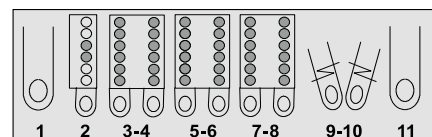
### JL 42/1B 贾卡簇尼克®多梳花边机

#### 工作宽度 / 机号

3353 mm = 132 英寸  
(+2 英寸的布边拓宽, 总宽达134 英寸) E 24

#### 梳栉 / 成圈机件

单个针床, 脱圈板床, 针芯床, 固定的沉降片床, 分离式贾卡梳( JB 45+46), 2把地梳 (GB 1 和 GB 47 弹性纱), 2-4把花 (钢丝花梳3-6) 用于形成牙边或者起花, 36把花梳 (钢丝花梳9-44)



#### 送经装置

GB 1, JB 45/46和 GB47 采用电子送经, 通过马达传动, 多速送经, 由运动控制系统控制。

#### 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: 25 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850转/分, 受织物结构和纱线种类的影响。

#### KARL MAYER Service Plus

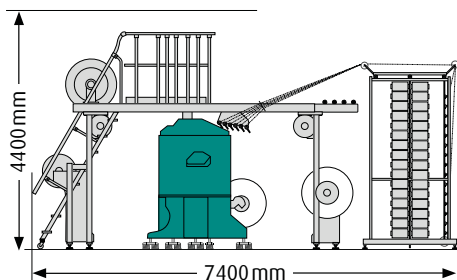
Service package  
Teleservice for increased availability and productivity of KARL MAYER machines equipped with KAMCOS®

#### 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
7400 mm	7400 mm	4400 mm

standard/标准规格



Rights for technical modifications reserved  
保留技术修正权

# JL 42/1F

## Technical data

技术参数

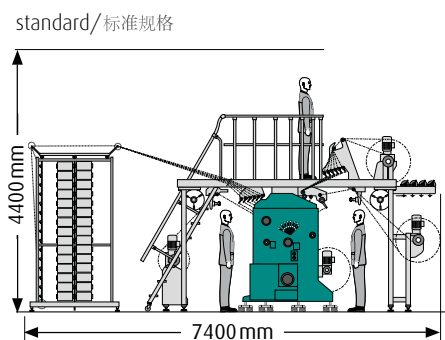
### KARL MAYER Service Plus

Service package  
Teleservice for increased availability and productivity of KARL MAYER machines equipped with *KAMCOS*<sup>®</sup>

### 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*<sup>®</sup>

Total width	Total depth	Total height
总宽度	总长度	总高度
7400 mm	7400 mm	4400 mm



Rights for technical modifications reserved  
保留技术修正权

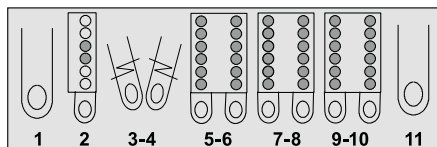
### JL 42/1F Jacquardtronic<sup>®</sup> Lace

#### Working width/gauge:

3353 mm = 132 inches (+2 inches selvedge extension to 134 inches) E 24

#### Bars/knitting elements

Individual needle bar, knockover comb bar, tongue bar, stationary stitch comb bar, Jacquard bar in split execution (JB 8+9), 2 ground guide bars (GB 1 and GB 46 elastane), 2 to 4 pattern guide bars (string bars 3 to 6) for picot edge or patterning, 36 pattern guide bars (string bars 10 to 45)



#### Yarn let-off device

3 electronically controlled yarn let-off drives for GB 1, JB 8/9 and GB 46 elastane, driven by geared motor, for working with Multi Speed, controlled by Motion Control

#### Pattern drive EL

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

**KAMCOS<sup>®</sup> (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 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 of 762 mm (30 inches)

#### Electrical equipment

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

#### Operating conditions for piezoelectric elements

Max. air humidity: 65 %

#### Performance (speed)

Max. 850rpm depending on the lapping and yarn type to be processed

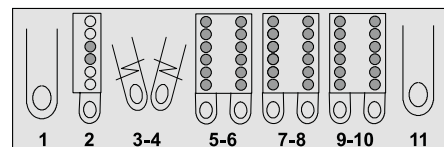
### JL 42/1F 贾卡簇尼克<sup>®</sup>多梳花边机

#### 工作宽度 / 机号

3353 mm = 132 英寸 (+2 英寸的布边拓宽, 总宽达134 英寸) E 24

#### 梳栉 / 成圈机件

单个针床, 脱圈板床, 针芯床, 固定的沉降片床, 分离式贾卡梳 (JB 8+9), 2把地梳 (GB 1 和 GB 46 弹性纱), 2-4把花梳 (钢丝花梳3-6) 用于形成牙边, 36把花梳 (钢丝花梳10-45)



#### 送经装置

GB 1, JB 8/9和 GB 46  
采用电子送经, 通过马达传动, 多速送经, 由运动控制系统控制。

#### 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<sup>®</sup> (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: 25 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850转/分, 受织物结构和纱线种类的影响。

## 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)

## 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.  
3507, 35/F, Metroplaza Tower 2  
223 Hing Fong Road, Kwai Chung  
N.T., Hong Kong  
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**