

# KARL MAYER

WE CARE ABOUT YOUR FUTURE



WARP KNITTING  
经编机

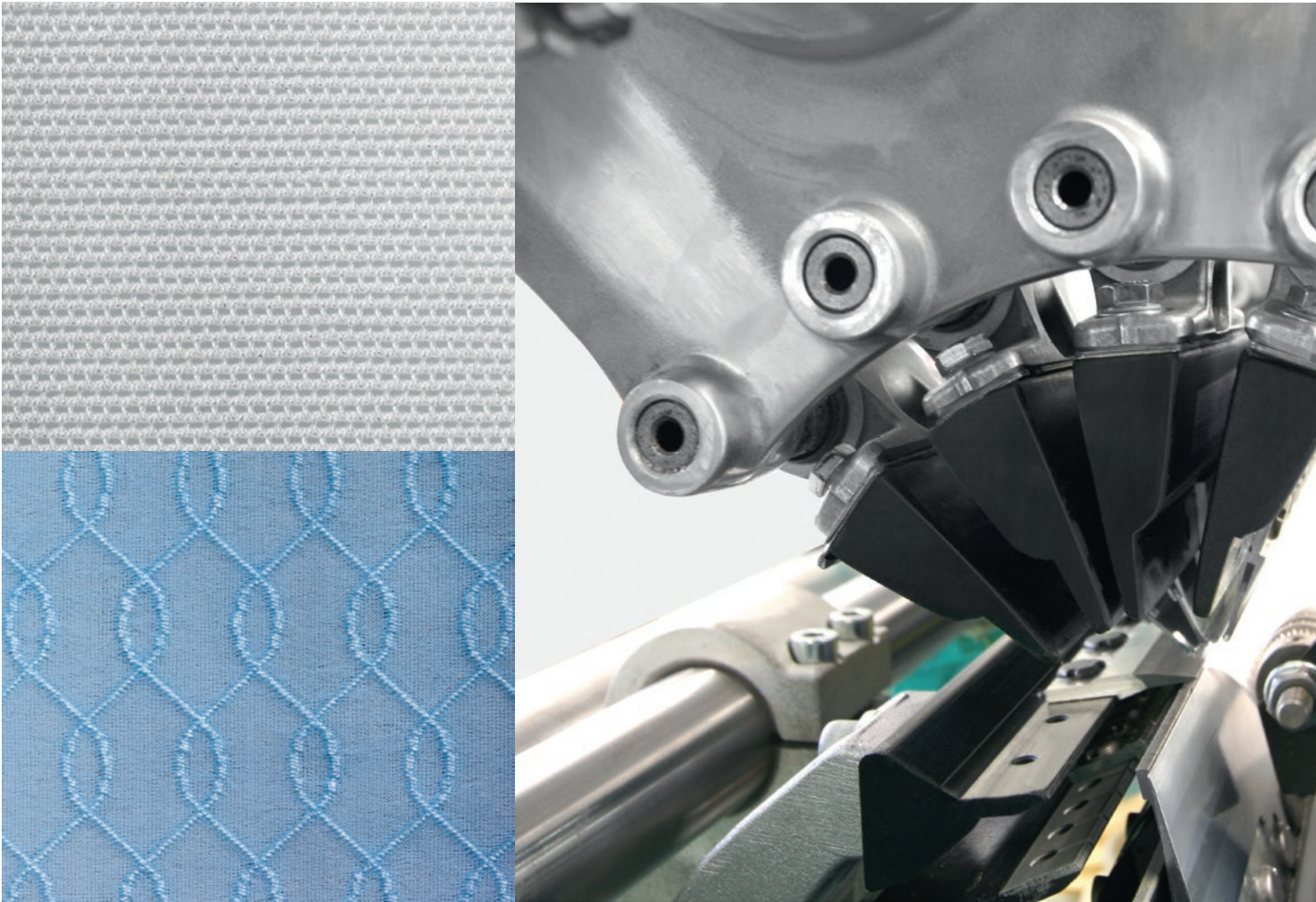
**RSE 4-1**

**RSE 4**

**RSE 6 EL**

Raschel machines for diverse use in textile production  
拉舍尔经编机，所生产的面料适合多种应用





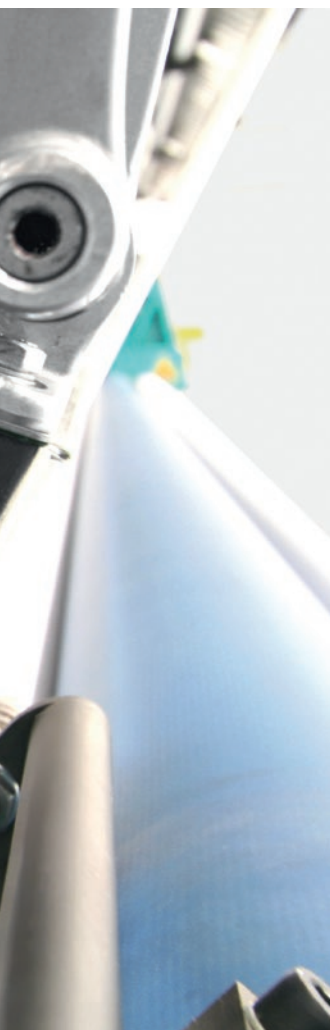
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# ELASTIC RASCHEL MACHINES: MAXIMUM EFFICIENCY SUITABLE FOR YOUR APPLICATION

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生产弹力面料的拉舍尔经编机：  
最高的生产效率，满足您的需求

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

### Three machine concepts for your business success 助您成功的三种机器理念

The huge variety of modern textiles requires attention to be focused on different aspects and certain specific conditions during production.

Therefore KARL MAYER offers the possibility to choose between three concepts for elastic Raschel machines.

Depending on their specific business and market demands our clients can take their best possible choice between the types RSE 4-1, RSE 4 and RSE 6 EL.

- High-performance Raschel machines with a high versatility of products
- An extended range of patterns and articles
- Highest operational reliability
- Long service life

现代纺织品的种类繁多, 在生产过程中必须根据产品种类和终端应用制定不同的生产工艺。

因此, 卡尔迈耶提供三款生产弹力面料的拉舍尔经编机。

根据业务和市场需求, 我们的客户可以在 RSE 4-1, RSE 4和RSE 6 EL之间做出最好的选择。

- 产品种类多样的高性能拉舍尔经编机
- 更广泛的花型和面料品种
- 最佳的运行稳定性
- 较长的使用年限

## RSE Series

### Machine details and overview

### 机器详情和预览



#### RSE 4-1

- Fastest 4-bar Raschel machine in the world
- Specialised in fine gauge elastic articles
- Rigid embroidery tulle possible with additional equipment
- All the bars are made of carbon-fibre-reinforced plastics
- 世界上最快的四梳拉舍尔经编机
- 专业生产高机号弹力面料
- 采用附加装置后可生产无弹刺绣底网
- 所有的床体均由碳纤维增强塑料制成

#### RSE 4

- Perfect combination of productivity and article spectrum
- Highest flexibility in 4-bar articles
- Operation of low-gauge applications possible
- Heavyweight articles possible
- 高效生产力和多样化产品的完美结合
- 生产四梳面料时具备最大的灵活性
- 能够生产低机号的面料
- 适应生产高克重面料

#### RSE 6 EL

- Raschel fabrics with patterning
- Long patterning repeats
- Ground variations within one article
- Optional long shog distance of ground guide bars (GB 5 and 6 up to 150 mm)
- Fast article change for small lot production or development purposes
- 提花拉舍尔面料
- 较长的花型循环
- 面料的底布结构可变
- 地梳可选配加大的累积横移距离 (GB5和GB6累积横移距离可达150mm)
- 产品更换迅速, 适合小批量生产或产品打样





A wide range of applications and designs allows quick reactions to the demands of the market.

适合多种应用领域, 能对市场需求作出迅速反应。

End uses 终端应用	RSE 4-1	RSE 4	RSE 6 EL
lingerie 内衣	×	×	×
outerwear 外套	×	×	×
tulle structures 网纱	×	×	×
swimwear 泳装	×	×	×
shoe fabrics 鞋材		×	×
marquissette 蚊帐		×	×
coating substrates 涂层基布		×	×
curtains 窗帘		×	×
embroidery tulle 刺绣网纱			×
patterned tulle structures 提花网纱			×

# RSE 4-1, RSE 4

## Technical data

### 技术参数



Machine type 机型	Working width 工作门幅	E 18	E 20	E 22	E 24	E 28	E 32	E 36	E 40
RSE 4-1	130" (132"*)					x	x	x	x
	170" (172"*)					x	x	x	
	190" (192"*)					x	x		
RSE 4	130" (132"*)	x	x	x	x	x	x		
	170" (172"*)	x	x	x	x	x	x		

\* working width extension / \*加宽的工作门幅

#### Bars / knitting elements

Individual needle bar and tongue bar, stitch comb bar, knockover comb bar, four ground guide bars

#### Warp beam support

Three warp beam positions for sectional beams of 32-inch flange diameter  
Optional: Four warp beam positions for sectional beams of 21-inch flange diameter  
Optional: Four warp beam positions for sectional beams of 30-inch flange diameter

#### KAMCOS®

(KARL MAYER COMMAND SYSTEM)  
Operator interface to configure, control and adjust the electronic functionality of the machine

#### Yarn let-off device

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

#### Fabric take-up

Electronically regulated fabric take-up, driven by geared motor, consisting of four rollers, with BLUE-G310 coating and polish

#### Batching device

No. 18 E

#### Pattern drive

N-drive with four pattern discs and integrated tempi change gear drive  
RSE 4-1 Standard: 24 stitches  
RSE 4 Standard: 16 stitches

#### Electrical equipment

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

#### Oil supply

Heating and cooling by means of circulating air heat exchanger, filter with dirt-monitoring system  
Optional: Heat exchanger for water conditioning plants

#### 床体/成圈机件

嵌入式针床和针芯床, 沉降片床, 脱圈板床, 4把地梳

#### 经轴架

3个经轴位置可安装边盘直径为32英寸的盘头  
选配: 4个经轴位置可安装边盘直径为21英寸的盘头  
选配: 4个经轴位置可安装边盘直径为30英寸的盘头

#### 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

#### 送经机构

每个完全独立安装的经轴位置配备一套电子送经装置

#### 织物牵拉机构

电子控制的织物牵拉, 通过电机传动, 由4个罗拉组成, 罗拉表面采用 BLUE-G310涂层, 并进行抛光处理

#### 卷取机构

No. 18 E

#### 提花机构

采用4个花盘的N型驱动机构, 配有行程变换齿轮  
RSE 4-1 标准: 24线圈  
RSE 4 标准: 16线圈

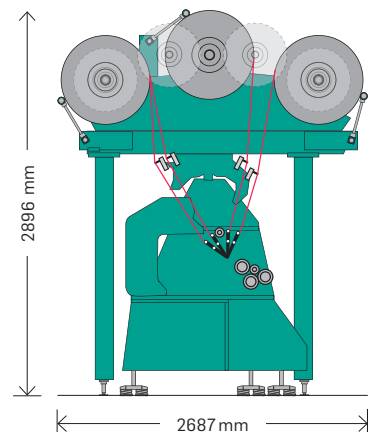
#### 电子设备

调速传动, 机器总连接负荷25kVA

#### 供油

加热装置, 通过空气流通式热交换装置冷却, 配备防脏报警系统过滤器  
选配: 水处理热交换器

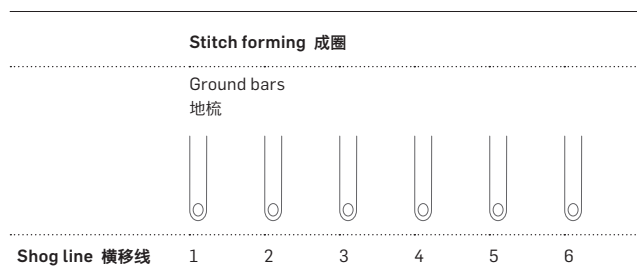
**Total width 宽度**  
130 inches (5050 mm)  
170 inches (6050 mm)  
190 inches (6550 mm)  
**Total depth 纵深**  
2687 mm  
**Total height 高度**  
2896 mm



# RSE 6 EL

## Technical data

### 技术参数



Machine type 机型	Working width 工作门幅	E 24	E 28	E 32
RSE 6 EL	130"	×	×	×
	170"	×	×	×

#### Bars / knitting elements

Individual needle bar and tongue bar, stitch comb bar, knockover comb bar, six ground guide bars

#### Warp beam support

Six warp beam positions for sectional beams, two of 32-inch flange diameter for the beam positions 1 and 2 and four of 21-inch flange diameter for the beam positions 3 to 6

#### KAMCOS®

##### (KARL MAYER COMMAND SYSTEM)

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

#### Yarn let-off device

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

#### Fabric take-up

Electronically regulated fabric take-up, driven by geared motor, consisting of four rollers, with BLUE-G310 coating and polish, Multi Speed

#### Batching device

No. 18 E

#### Pattern drive

Electronic guide bar drive EL, all guide bars shog up to 50 mm  
Optional for 130-inch increased shog distance (up to):  
GB 1 to GB 3: 50 mm  
GB 4: 76 mm  
GB 5 to GB 6: 150 mm

#### Electrical equipment

Speed-regulated drive, total connected load of the machine: 53 kVA

#### Oil supply

Heating and cooling by means of circulating air heat exchanger, filter with dirt-monitoring system  
Optional: Heat exchanger for water conditioning plants

#### 床体/成圈机件

嵌入式针床和针芯床, 沉降片床, 脱圈板床, 6把地梳

#### 经轴架

6个经轴位置, 1和2号位置可安装边盘直径为32英寸的盘头, 3-6号位置可安装边盘直径为21英寸的盘头

#### 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

#### 送经机构

每个完全独立安装的经轴位置配备一套电子送经装置

#### 织物牵拉机构

电子控制的织物牵拉, 通过电机传动, 由4个罗拉组成, 罗拉表面采用BLUE-G310涂层, 并进行抛光处理, 多速牵拉

#### 卷取机构

No. 18 E

#### 提花机构

EL电子横移装置, 所有梳栉的累积横移距离为50 mm。  
130英寸工作门幅的机型可选配加大的累积横移距离:  
GB 1到GB 3为50 mm  
GB 4为76 mm  
GB 5和GB 6为150 mm

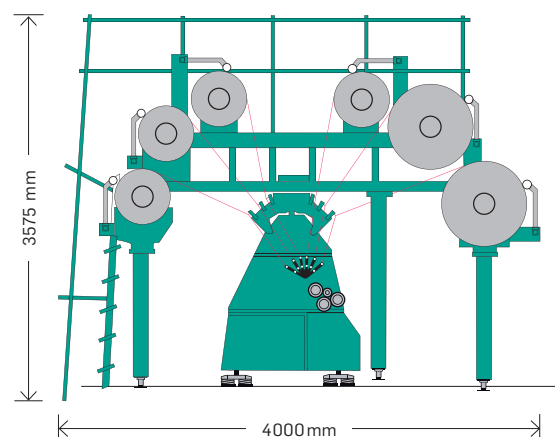
#### 电子设备

调速传动, 机器总连接负荷53kVA

#### 供油

加热装置, 通过空气流通式热交换装置冷却, 配备防脏报警系统过滤器  
选配: 水处理热交换器

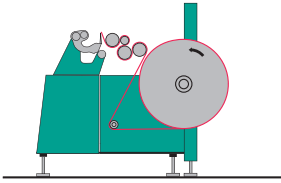
Total width 宽度  
130 inches (5455 mm)  
170 inches (6475 mm)  
Total depth 纵深  
4000 mm  
Total height 高度  
3575 mm



## RSE Series

### Batching devices

### 卷取机构

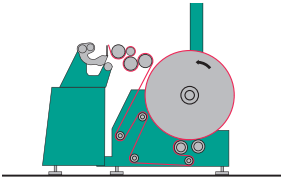


#### NO. 18 E

Batching device with central drive, potentiometer regulation, fabric tension adjustable  
max. batch diameter of 533 mm (21 inches)

#### 18 E号卷取机构

轴心传动的卷取机构，电位器调节，最大卷装直径为533 mm (21英寸)

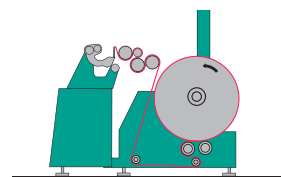


#### NO. 34 A

Batching device with friction drive, driven by geared motor, regulation to match the stitch courses, relaxation device spreading roller, fabric edge unrolling appliance, max. batch diameter of 711 mm (28 inches)

#### 34 A号卷取机构

摩擦传动的卷取装置，受电机驱动，根据线圈密度大小进行调节，布面松弛装置，扩布辊，防布面卷边装置，最大卷装直径为711 mm (28英寸)



#### NO. 34 B

Batching device with friction drive, driven by geared motor, regulation to match the stitch courses, deflection roller max. batch diameter of 685 mm (27 inches)

#### 34 B号卷取机构

摩擦传动的卷取装置，受电机驱动，根据线圈密度大小进行调节，导布辊，最大卷装直径为685 mm (27英寸)

Optional available 可选型号	34 A	34 B
RSE 4-1	×	×
RSE 4	×	
RSE 6 EL	×	