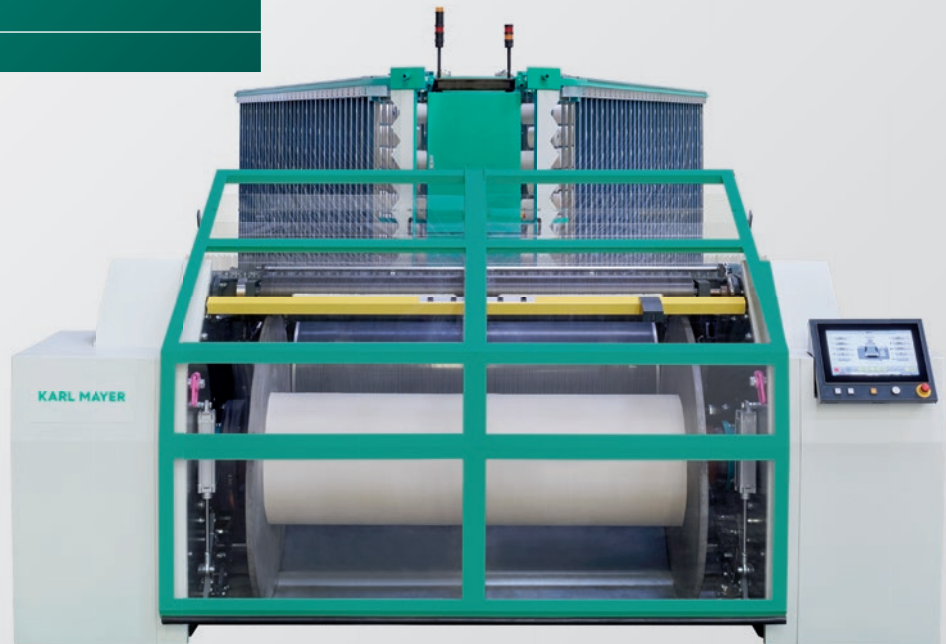


WARP PREPARATION  
准备设备

## PRODIRECT



### PRODIRECT from KARL MAYER is the universal direct warping machine for staple fibre yarns and meets the highest demands

卡尔迈耶PRODIRECT, 适用于短纤纱的直接整经机, 满足最高标准的需求

#### Your benefit

- Universal direct warping machine by KARL MAYER for all staple fibre yarns
- Meets all the demands of modern textile production
- High production performance with warping speeds of up to 1,200 m/min
- Perfectly warping quality due to electronic system build-up control and pressing roller system with winding pressure and position check
  - Perfect cylindrical beams
  - Exactly the same beam diameters for a section warping batch
  - Precise yarn arrangement
  - Yarn- and lap-protecting kickback function
- Processing of dye beams with optimised density regulation
- Smart reed – automatic reed adjustment to the warping parameters
- Data transfer for the following process possible
- Optional laser-application control
- Quality management reports optionally available via KARL MAYER Cloud

#### 您的优势

- 由卡尔迈耶出品, 适用于短纤纱的通用型直接整经机
- 满足现代化纺织生产的所有需求
- 最高整经速度达到1200米/分
- 电子系统控制盘头成型, 压辊系统控制卷绕压力和检测位置, 获得完美的整经品质
  - 完美的圆柱形织轴
  - 每批织轴的整经直径完全一样
  - 精确的纱线排列
  - 压辊回弹功能防止压纱
- 加工染色织轴时, 提供优异的整经密度控制
- 智能伸缩箱——伸缩箱根据整经参数自动调节
- 可为后续工艺进行数据转化
- 选配激光控制系统
- 通过卡尔迈耶云端可获得质量管理报道



Consistently optimal yarn arrangement: During stopping or starting, the threads between the reed and the reversing roller may cross. During sizing, this quite often results in yarn breaks. The automatic detangling function ensures that the thread arrangement is re-established immediately after start-up.

稳定、优质的纱线排列：在停机和开机的瞬间，伸缩箱和导纱辊之间的纱线可能会缠绕，这在纱线上浆时会导致断纱。自动防纱线缠绕功能确保在机器启动时纱线瞬间排列整齐。

## Product features

### 产品特点

- High-performance direct warping machine for all staple fibre yarns with application control
  - Application of master/copy control guarantees absolutely identical beam diameters for all the beams within a warping batch
  - The electronic application control and length measurement allows a length exactness of <math>< 0.10\%</math>
  - Electronically controlled pressing roller with position detection
  - Lap-protecting pressing roller function when stopping thanks to pressing roller kickback system swinging out of the way within seconds
  - Equipped with the KAMCOS® 2 user interface
  - Reduced maintenance costs
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- 配备应用控制的高性能短纤纱直接整经机
  - 应用母/子盘头控制技术，确保一批整经作业中所有经轴的直径完全相同
  - 电子控制的长度测量系统，精确度达到0.10%
  - 电子控制的压辊，带位置检测功能
  - 当停车时，压辊（回弹系统）立即回摆，离开织轴表面，防止出现压纱现象
  - 配备卡迈酷斯®2 用户界面
  - 较低的维护保养成本

## Technical facts

### 技术参数

Working width 工作门幅	1,800–3,200 mm
Beam diameter 织轴直径	800–1,400 mm
Maximum section-warping speed 最大整经速度	1,200 m/min
Pressing roller 压辊	With direct pressing system and kickback control 配备直接压辊系统和压辊回弹控制功能
Beam catch 织轴夹紧卡盘	Female tapered interlock, optional catch for female tapered interlock for pivot beams 锥形联锁，选配：方便织轴运输的夹紧卡盘
Brakes 刹车	Hydropneumatic 液压

## Options

### 选配

- Dye beam option with laser application control
  - Driven guide roller
  - Inside-lifting facility
  - Anti-static device
  - UV light
  - Tape tension control in combination with parallel creel
  - Yarn storage unit
  - CleanVAC dust protection gantry
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- 加工可进行经轴染色的织轴，激光控制盘头成型
  - 主动式导纱辊
  - 上落轴装置
  - 防静电装置
  - 紫外光
  - 与平行纱架配套的片纱张力控制
  - 储纱装置
  - CleanVAC除尘装置