



WARP PREPARATION  
准备设备

## GV-OPTOGUARD

### KARL MAYER's direct warping creel (GV-OPTOGUARD) – the ideal creel for processing all kinds of spun yarns on KARL MAYER's spun-yarn direct warpers

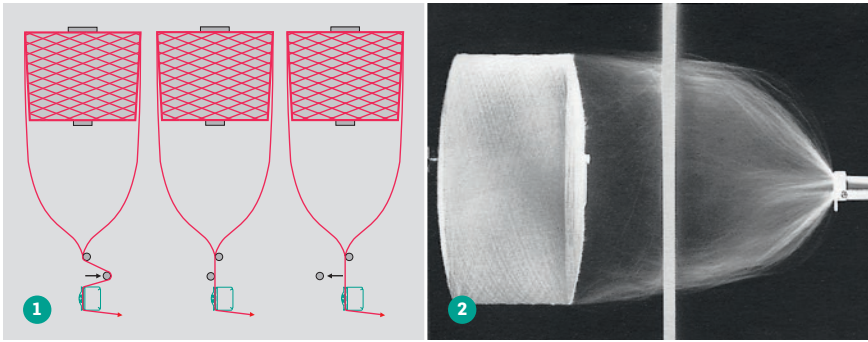
卡尔迈耶直接整经机纱架 (GV-OPTOGUARD) ——适用于卡尔迈耶短纤纱直接整经机的优质纱架

#### Your benefit

- KARL MAYER's direct warping creel (GV-OPTOGUARD) is setting new quality standards in warp preparation
- The creel offers the best possible design, specifically tailored to customer needs, by encompassing a wide variety of spacing programs and different accessory options
- High productivity due to maximum direct warping speed and reduced set-up times makes the GV-OPTOGUARD creel the ideal creel for direct warpers intended for spun yarn processing
- Gentle yarn treatment due to deep yarn tension level and reduced yarn friction
- Very short set-up times and high productivity
- High quality due to reliable yarn break detection and low yarn tension

#### 您的优势

- 卡尔迈耶直接整经机纱架 (GV-OPTOGUARD) 树立了准备设备领域的全新质量标准
- 纱架拥有最佳的设计, 包括多种纱筒空间配置和选配方案, 满足客户的个性化需求
- 高水平的生产力。较快的整经速度和简短的设置时间让GV-OPTOGUARD纱架成为加工短纤纱的优质纱架
- 较宽的纱线张力调节范围和降低了的纱线摩擦力, 使得纱线得到温和的处理
- 简短的设置时间和较高的生产力
- 采用了可靠的断纱检测和较低的纱线张力, 整经品质优异



- 1 Pre-tensioner system:  
1 run-up – 2 run – 3 stop  
预张力装置:  
1启动—2运行—3停车
- 2 Balloon separator: for  
limiting the yarn balloon  
气圈限制器: 限制纱线退  
绕气圈

## Product features

### 产品特点

- High-performance direct warping creel (V-creel) for the processing of spun yarns within a range of 50 dtex–1,700 dtex
- OPTOGUARD yarn tensioner with optical yarn monitoring system and simple threading facility during change of lots
- 高性能直接整经机纱架, 可加工50 dtex–1700dtex的短纤纱
- OPTOGUARD纱线张力器配备光电纱线检测系统, 此外, 换纱时穿纱简便

## Technical facts

### 技术参数

- Draw-off speeds up to 1,200 m/min
- Wide variety of spacing programs: h 240–320 mm / v 240–435 mm
- Number of bobbins: 230–1314
- Number of tiers: 5–9
- Pre-tensioner system and creel length compensation
- Options: cutting device, balloon separator, rod separator, yarn storage device, tube discharge device, power supply 50 Hz or 60 Hz, automatic bobbin-loading system
- 退绕速度高达1200米/分
- 多种纱筒空间配置: 水平 240–320 mm / 纵向 240–435 mm
- 纱筒的数量: 230–1314
- 层数: 5–9
- 预张力装置和纱架长度补偿机构
- 选配: 切割装置, 气圈限制器, 分纱器, 储纱装置, 静电消除装置, 50 Hz 或者60 Hz电源, 全自动上纱装置

## OPTOGUARD yarn tensioner

### OPTOGUARD纱线张力器



- 3 OPTOGUARD yarn tensioner
    - Reduced yarn tension due to free yarn run
    - Integrated optical yarn control: for end break detection
- OPTOGUARD纱线张力器
- 自由的纱线运动减少了产生附加张力
  - 集成光电纱线检测系统: 用于检测纱线断头