

WARP PREPARATION
准备设备

DS OPTO

Direct warping machine for rigid filament yarns for production from short and sample warp beams to standard block color warp beams.

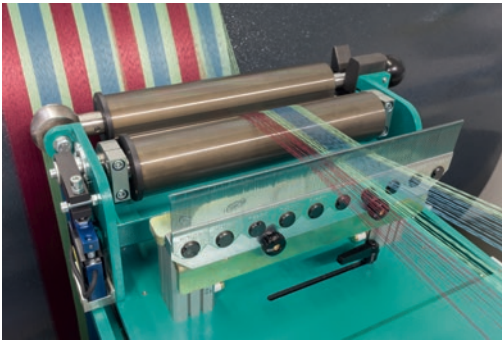
长丝直接整经机, 适用于较短长度整经、样品整经、以及常规整经和色纱整经

Your benefit

- Minimum bobbin quantity for planning the production of high quality and expensive warp beams
- Cost saving from fewer numbers of bobbins required due to sectional warping
- Efficient use of expensive yarns
- Production of sample and striped warp beams
- Greater flexibility, can be used as a standard direct warper if sectional warping is not required
- Less space requirement due to sectional warping and smaller creel size

您的优势

- 用最少的纱筒加工高品质、高价值的盘头
- 分条整经仅需较少数量的纱筒, 节约了生产成本
- 高效地使用昂贵的纱线
- 生产样品和色纱盘头
- 更大的灵活性。如果不需要分条整经, 可以作为标准的直接整经机使用
- 分条整经和较小的纱架使得所需的空间较小



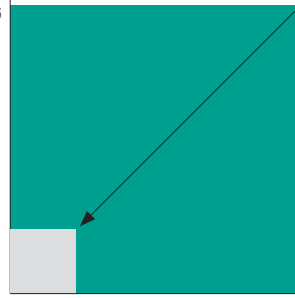
Sectional warping
分条整经

Number of bobbins

纱筒的数量

576

48



■ Sectional warping

48 bobbins × 12 sections = 576 ends
48 bobbins × \$ X per bobbin
= total cost of sectional warping

分条整经

48个纱筒 × 12条 = 576头份
48个纱筒 × 单个纱筒价格
= 分条整经的费用

■ Direct warping

576 bobbins × 1 = 576 ends
576 bobbins × \$ X per bobbin
= total cost of direct warping

直接整经

576个纱筒 × 1 = 576头份
576个纱筒 × 单个纱筒价格
= 直接整经的费用

Costs
费用

Product features

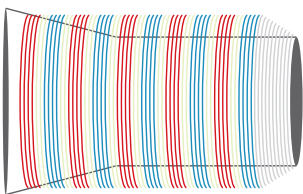
产品特点

- Innovative concept for short/sample warps through to long/block colour warps
- Multiple beaming
- Perfectly coordinated creel system, feeding aggregate and brake synchronisation for producing sectional beams
- Space reduction by using smaller creel is possible
- Good quality beams with identical beam circumferences from direct and sectional warping processes
- Easy operation via touch screen and quick conversion to different yarn parameters
- 创新型短长度/样品整经和常规/色纱整经理念
- 多重倒轴
- 分条整经时，纱架、送纱系统、同步制动装置之间开展完美地配合
- 较小的纱架降低了空间需求
- 直接和分条整经时，所生产的高品质盘头拥有一致的外周长
- 触摸屏的操作简单，不同纱线参数间的转换迅速

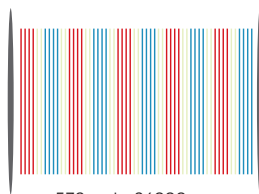
Technical facts

技术参数

Direct warping speed 直接整经速度	up to 1,000 m/min 高达1000米/分
Sectional beam sizes 盘头尺寸	21 × 30 inches, 21 × 21 inches 21 × 30英寸, 21 × 21英寸
Max. yarn tension 最大纱线张力	200 N
Computer-controlled beam build up 电脑控制盘头成型	Master/copy principle 母盘头拷贝
Sectional warping speed 分条整经速度	Up to 800 m/min 高达800米/分
Minimum sectional width 最小的分条宽度	0.5 inch (for example, on E 28 machine only 14 ends are required) 0.5英寸 (例如, 在E28的机器上仅需14根经纱)
Maximum sectional width 最大的分条宽度	7.5 inch (for example, on E 28 machine 210 ends are required) 7.5英寸 (例如, 在E28的机器上需要210根经纱)
Maximum sectional drum winding capacity 整经滚筒的最大卷绕能力	22,000 m (for example, PES 70 dtex and 576 ends on a beam) 22000米 (例如, 70dtex涤纶, 整经根数576)
Beaming speed 倒轴速度	Up to 500 m/min 高达500米/分
Laser and computer controlled band build up 激光检测和全电脑控制纱条成型	Guarantees identical band circumferences 确保一致的纱条周长
Traverse motion of section carrier trolley 纱条移动装置的横向移动	Correct and exact feeding of warping band 精确地喂入纱条



76 dtex, 576 ends, 24000 m
76 dtex, 576根头份, 24000米



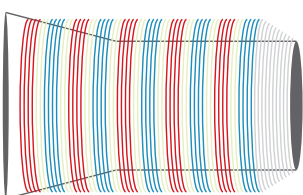
576 ends, 24000 m
576根头份, 24000米

Beaming

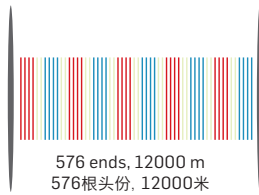
Winding of ends from sectional warper to one beam

倒轴

将经纱从整经滚筒退绕至一个盘头上



576 ends, 24000 m
576根头份, 24000米



576 ends, 12000 m
576根头份, 12000米



576 ends, 12000 m
576根头份, 12000米

Multiple Beaming

Winding of ends from sectional warper to multiple beams

多重倒轴

将经纱从整经滚筒退绕至多个盘头上