

## GE628K Wide (Vertical) Spandex Warping Machine

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## 弹性类

GE628K型宽幅（立式）氨纶整经机是适用于弹性原料的长经轴高性能整经机。该机能够满足各种品牌规格的弹性氨纶整经需求，特别是生产高品质亚光平布对氨纶整经的要求，能有效减少经编机经轴的使用数量，从而提高布面品质。

该机主要由纱架、照相自停装置、导纱装置、牵伸罗拉、平衡罗拉、车头组成。

该机采用5只高性能德国原装进口伦茨伺服电机驱动，采用最新9400高精度伺服驱动系统，高精度激光测距仪等先进技术设备，具有高可靠性、控制精度高、配套齐全、操作简易等优点。

整个整经过程线速度恒定，张力可控，波动小。

GE628K Wide (Vertical) Spandex Warping Machine with Vertical Creel, It's a high-performance warping machine that is suitable for elastic yarn. It is suitable for warping all kinds of elastic yarn, especially for knitting high quality plain cloth. It could reduce the warp beam qty. for warp knitting machine, for improving the quality of the cloth.

The machine is mainly composed by creel, photo-self stopping device, yarn guider, drawing roller, leveling roller and warper head.

GE628K is driven in-phase by 5 pcs of high performance servo motor which are made by Lenze Germany, it's adopted the latest 9400 servo drive system, laser range finder with high precision and so on. So the warper is stable, well equipped and easy to operate.

In the course of warping, the advantage is constant speed, controllable tension and small fluctuations.

## 主要技术参数

- 1.适用盘头规格：42" × φ21" (可兼容42" × φ30")。
- 2.纱筒最高线速度：300米/分；盘头最高线速度：600米/分。
- 3.预牵伸值：0~200%；最终牵伸值：15~100%。
- 4.制动时间：≤0.6秒，停车同步误差小于±3%。
- 5.纱筒数量：476~1760（常规），可按客户要求定制。
- 6.伺服电机功率：车头26KW；平衡罗拉3.8KW；牵伸罗拉：6.4KW；  
纱架：2 × 17.2KW。
- 7.消耗总功率：<25KW。
- 8.外形尺寸：宽 × 高 × 长：3250 × 2200 × 8600（1760头）。

## 主要特点

- 1.采用5只德国原装进口伺服同步比例精确驱动。车头、平衡罗拉、牵伸罗拉、左右纱架之间均由伺服电机驱动，消除传统机械传动磨损、维护难、噪音大等系列问题。
- 2.采用进口高端可编程控制器、12"大屏幕彩色触摸屏、总线控制技术，提高了控制精度，增加了系统的安全可靠性。
- 3.采用进口高精度激光远距离测距装置，实时监测盘头卷绕周长变化，保证盘头卷绕线速度精确恒定。
- 4.具有完善的断电、缺相、失气等安全保障功能。
- 5.具有多品种、不同规格的氨纶纱筒补偿曲线，确保整出同组盘头之间卷绕圈数相等，且卷绕原料净重相等，确保纱架余丝一致，为客户节约大量原料成本。
- 6.配有高精度照相断纱自停装置，保证整经缺头、断纱及时停车。
- 7.系统具备自诊断功能，实时监测机器状态及纱线张力，确保系统的安全性和可靠性。
- 8.停车误差控制在±3%以内，确保一个经轴多次停车也不会影响纱线牵伸。

## Main Technology Parameter

1. Warper .beam size: 42" × φ21" (inch) , 42" × φ30" (inch) .
2. Maximum creel linear speed: 300m/min, Max. warper linear speed: 600m/min.
3. Pre-draft: 0~200%, Final draft: 15~100%
4. Brake time less than 0.6 seconds, the deviation of stop synchronization is less than ±3%.
5. Creel capacity: 476~1760 (Normal), According to customer's requirement.
6. Servo Motor Power: Warper head power 26KW, Leveling roller 3.8KW, Draft roller: 6.4KW, Creel: 2 × 17.2KW.
7. Total power consumption: <25KW.
8. Machine Size: width × high × length: 3250 × 2200 × 8600mm (1760cones) .

## Main Features

1. It's driven in-phase by 5 pcs of high performance servo motor which are made by Lenze Germany The warper head, leveling roller, draft roller and creel(L&R) are driven by servo motor to eliminate some problems such as noise, maintenance and damage which caused by traditional mechanical drive.
2. It adopts imported PLC, big colored LCD touch screen (12"), and bus-mastering, Which improves controlling precision and stability.
3. To ensure the precision of line speed of beam, the warper adopts high precision laser to measure and monitors winding perimeter of the beam.
4. Protection system is equipped to avoid problems caused by power break, no phrase and no pressure.
5. With Various different elastic yarn bobbins compensation curves, can ensure same group beams winding circles are same, and material net weight also same, consistent rest yarn on creel, for customer saving the plenty of material cost.
6. High precision cam scan stop device is equipped to ensure stop immediately during missing ends and yarn broken.
7. The system is equipped with self-diagnosed function which can monitor the condition in real time and yarn tension for making sure the system safety and precision.
8. The deviation of stop synchronization is less than ±3%, It's no effect for the draft to yarn, even the warp beam stop many times.