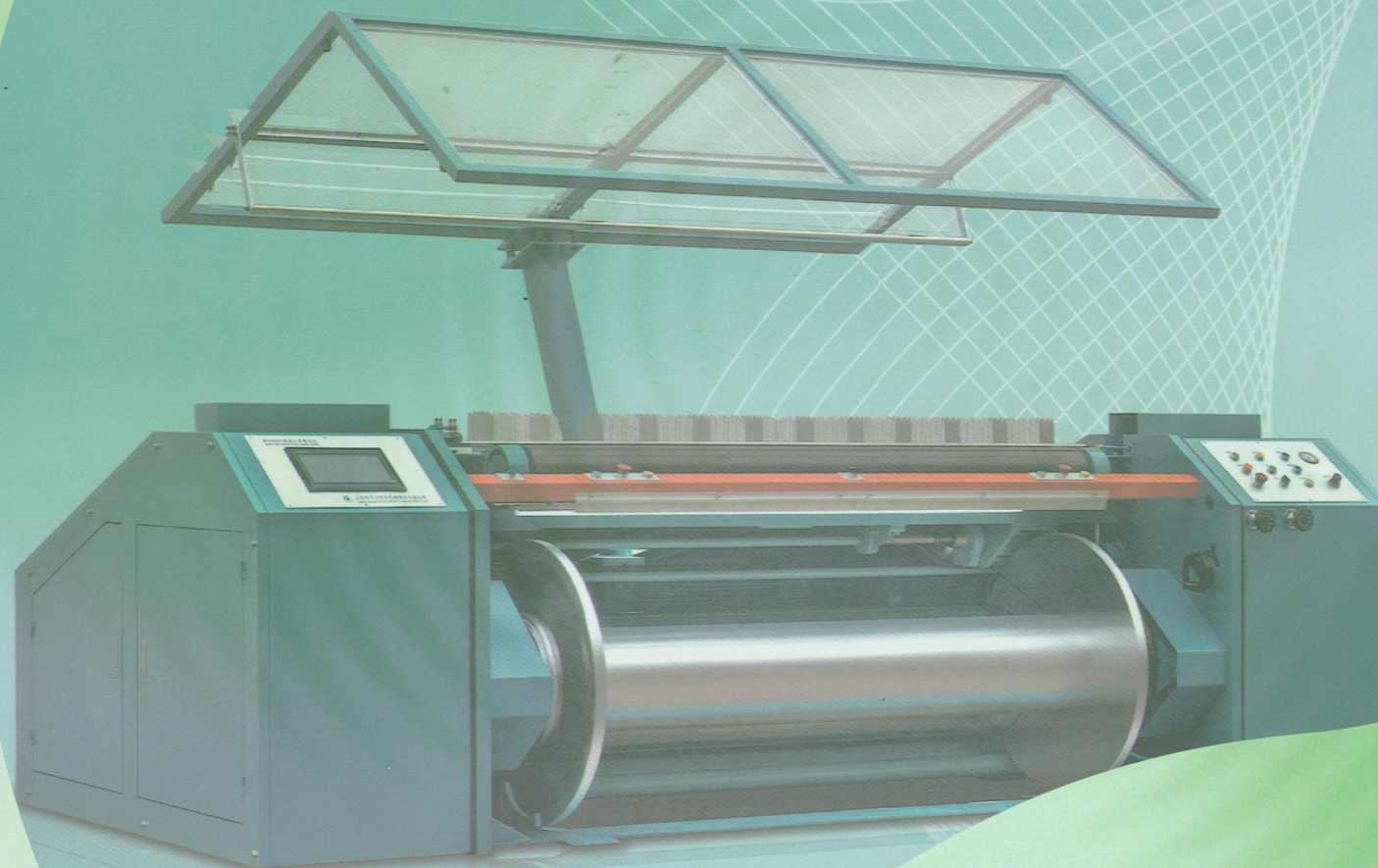


分批整经机
BEAM WARPER

松式整经机
LOOSE WARPER



ONE-STOP TEXTILE MACHINERY SOLUTION SUPPLIER





ONE-STOP TEXTILE MACHINERY SOLUTION SUPPLIER



产品简介



Product Description

KY6081分批整经机和KY6081(S)松式整经机，主要适用于棉纺织（色织）行业，在开发高支高密等高档产品时为高速喷气织机、剑杆织机等先进织机的前织准备（经轴染色）工序提供必备设备。

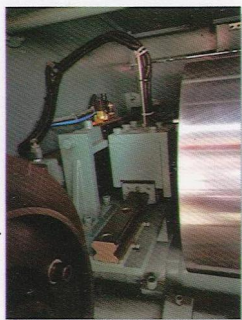
该系列产品是在参考了多种进口和国产机型的优点，并采用多项自主知识产权的新技术，对传统的国产机型在智能化、信息化、节能等方面进行改型升级。更突出的是选配了KYD大V形系列微张力筒子架，使其综合技术性能，工艺性能及可靠性能，完全达到和超过了进口机水平。

KY6081 beam warping machine and KY6081(S) soft warping machine are mainly applied to cotton textile (yarn-dyed) industry, providing supporting working for pre-weaving preparatory (yarn beam dyeing) process of advanced weaving machines, such as high-speed air jet loom, rapier loom, when developing high count and high density type high-grade products.

This series products is a new type of beam warping machine, which consulted the advantages of different kinds of imported and domestic machines, adopt many new techniques with independent intellectual property rights, and upgraded the traditional domestic models in the aspect of intelligence, information and energy. Specially, KYD series minimum tension bobbin creels were equipped, so that the comprehensive technical performance, process performance and reliability have reached or exceeded the level of imported machine.



1 平行加压机构 (Parallel tension mechanism)



紧式整经时，由气缸直接推动压辊在平行轨道上加压，经轴卷绕密度均匀，震动小，噪声低。

During tight warping, the winding density of warp beam is even with low vibration, low noise, as the air cylinder push the press roll directly on the parallel track.

松式整经时，压辊由步进系统精密控制，实现相对经轴的位移，以此实现对密度的控制。

During soft warping, the press roll is controlled by step system to fulfill the relative displacement of the warp beam in order to achieve the density control.

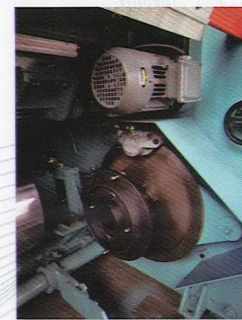


2 主轴（经轴）采用电机一级直接传动和制动。

The spindle (warp beam) uses a direct drive and braking of motor.

3 经轴与压辊均采用圆盘钳式制动器。

Disc caliper brake shall be applied in warp beam and press roll.



4 计长原理 (Length-counting principles)

紧式整经时，压辊和经轴各设置有精密测速装置，同步联动计长。

During tight warping, there shall be precision speed-measuring device for both press roller and warp beam, linked measuring.

松式整经时，由激光测距仪实时测量纱层厚度，根据圈数实现精确计长。

During soft warping, there should be a laser rangefinder for real-time measurement of yarn thickness, measuring accurately according to the number of turns.

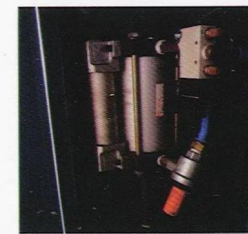




5

采用 1:12 气液增压装置，提供超高油压，产生超强的制动力矩，保证三辊同步制动。

Adopt 1:12 gas-liquid pressure device with ultra-high oil pressure and outstanding braking moment to ensure synchronous brake of the three rollers.



6

伸缩筘、分绞线、清洁吹风管、防经纱缠绕装置、导纱辊、安全杆等合理布置。

The following devices are arranged reasonably, such as expansion reed, stranded wire, cleaning blowpipe, yam guide roller, safety rod, etc.



7

超喂辊在松式整经时应用于片纱张力的调整。

During soft warping, the over-feed roller is applied to adjust the tension of the yarn sheet.



8

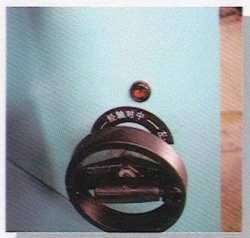
伸缩筘左右摆动量，筘的片纱对中经轴，可用手轮由操作工方便直接调整。

The amount of swing of expansion reed and warp beam of reed can be adjusted directly by the operator using the hand wheel.



9

经轴盘片与压辊对中，采用一个手轮左右微调。
The disc of warp beam and press roller can be mini adjusted by the hand wheel.



10

一副长伸缩筘可覆盖所有头份，避免多次换筘。
A long expansion reed can cover all parts of the head to avoid changing reeds repeatedly.

11

电气元件采用国际知名品牌。
Electrical components used are manufactured by internationally renowned brands.



12

人机界面触摸屏。用于各种参数设定、显示、数据查询、故障诊断、查看使用说明等内容。

Human-computer interfaces touch screen, which is used for parameter setting, displaying, data querying, fault diagnostician, checking working instruction, etc.



13

可配套筒子架型式（另见KYD筒子架样本）
Type of bobbin creel (see KYD bobbin creel sample)
1、KYD——35°大V形筒子架
KYD--35°large V-type bobbin creel
2、KYD——6°小V形筒子架
KYD--6°small V-type bobbin creel





紧式整经机 (Tight warping machine)

纱线适用范围：棉、各种功能性纤维及混纺纱线6^S-120^S

Applicable scope of yarn : cotton, various chemical fiber and blended yam 6^S-120^S

经轴幅宽：600mm-2200mm

Width of warp beam : 600mm-2200mm

经轴最大卷绕直径：φ800mm、φ1000mm、φ1200mm

Maximum winding diameter of warp beam : φ800mm、φ1000mm、φ1200mm

整经速度：100-1000m/min

Speed of warping : 100-1000m/min

制动距离：≤3M (600m/min)

Braking length : ≤3M (600m/min)

筘摆动行程：0-60mm

Swing distance of reed : 0-60mm

计长精度：0.5%

Accuracy of length counting : 0.5%

经轴联轴器型式：锥齿式、插销式

Type of warp beam shaft joint : tooth-type, pin-type

主电机功率：11KW、15KW

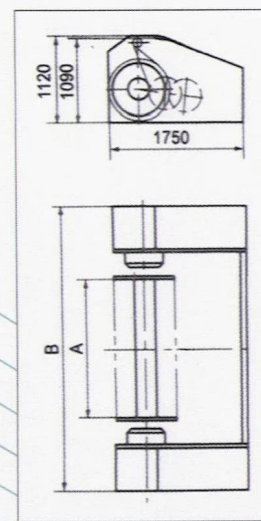
Main motor power : 11KW, 15KW

气压范围：3-6Mpa

Air pressure range : 3-6 Mpa

整机重量：4T-5T

Weight of complete machine : 4-5 T



整机外形尺寸 (见附图) 单位 unit: mm

Outside measurement of complete machine (see the attached figure)

A	1400	1600	1800	2000	2200
B	3300	3500	3700	3900	4100

注：以卷绕直径800mm为标准

PS : Take 800m of winding diameter as standard.

Main Technical Parameter and Specification



松式整经机 (Soft warping machine)

纱线适用范围：棉、各种差别化功能性纤维及混纺纱线6^s-120^s

Applicable scope of yarn : cotton, various chemical fiber and blended yarn 6^s-120^s

经轴幅宽：1400-1800mm

Width of warp beam : 1400mm-1800mm

经轴最大卷绕直径：φ100mm-φ600mm

Maximum winding diameter of warp beam : φ100mm-φ600mm

整经速度：大轴800m/min、小轴550m/min

Speed of warping : 800m/min for big shaft, 550m/min for small shaft

密度控制范围：420-560克/分米³

Density control range : 420-560 g/dm³

同一缸经轴实现密度误差：<±1%

Beam density variation range for the same cylinder : <±1%

经轴纱面平整度：<0.5mm

Yarn surface roughness of warp beam : <0.5mm

制动距离：≤2.5M (750m/min)

Braking length : ≤2.5M (750m/min)

计长精度：0.5%

Accuracy of length counting : 0.5%

经轴联轴器型式：根据用户要求设计

Type of warp beam shaft joint : designed according to users' requirement.

注：松式整经机可同时具有紧式整经机的一切功能，松紧兼用。

PS : All functions of the tight warping machine can be provided by the soft warping machine.



广东溢达纺织生产现场

Liaocheng Wetex Import & Export Co., Ltd



Celine Xu

General Manager

☎ +86 18305757138

✉ celine@wetexmc.com

🌐 www.wetexmc.com

📍 No. 28 Huanghe Road, Liaocheng City,
Shandong Province, China.

