

TMS300D Computer-control-high-speed warping machine

Used for warping brocade, wash long yarn, low stretch yarn, viscose, acrylic yarn, refined cotton yarn and all kinds of short fibers.

Main technology parameter:

- 1、 specifications apply to warping :
φ762X540mm (30)
φ535X540mm (21)
- 2、 Power of main motor: 7.5KWAc frequency conversion control
- 3、 Warping line speed: 80-900m/min
- 4、 Outline measurement(long × wide × altitude):
180 × 1220 × 996 (mm)
- 5、 Gas source needed for this system: 6bar
- 6、 Tension control: SGZ-1liquid damping compensation tensionmeter
- 7、 Yarn store capacity: ≤10m

Main features:

- 1、 Controlled by computer and equipped with touch screen. Humanized man-machine interface, and operation is easy and convenient.
- 2、 Cam gears drive the yarn to move across continuously.
- 3、 New style pressure disk breaker used in main warp beam to keep it working stable and locates precisely.
- 4、 New-style clamping device is used to avoid hurting the warp beam's inner surface.
- 5、 Headstock takes advantages of advanced processing technology. It is entirely welded and it enjoys good handling rigidity and stability.



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TMS300D



TMS ELECTRONIK INDUSTRY MACHINERY IND.& TRADE LTD.CO.

TMS310Z High-accuracy Intelligent Computer-control High-speed Warping Machine

The TMS310Z High-accuracy Intelligent Computer-control High-speed Warping Machine is suitable for staple fibre yarns, ranging from 20D to 75D, such as nylon, polyester, acrylic fibres, filament, monofilament, etc.

Main technology parameter:

- 1、 Specifications of the warp beams:
Φ752X540 mm (30 inches)
Φ535X540 mm (21 inches)
- 2、 Line speed: 80-998m/min
- 3、 Power of main motor: 7.5kw (variable frequency motor)
- 4、 Motor power of drawing rollers: 3kw (servo motor)
- 5、 Pan head lifting, pan head clamping, pneumatic detachment
- 6、 Maximum count: 99999 metres (circle)
- 7、 Way of control: high-accuracy intelligent computer control and show

Main features:

Main characteristics: it is controlled by high-accuracy intelligent computer, which could follow and store data automatically, meeting the requirement of different tensile forces of various yarns. The repetitive up and down movement of drawing rollers, separating needles and zigzag reeds could help increase the service life of separating needles. The original pan head simulating functions could guarantee that the external diameter, length, and coils in a set of pan head are consistent.



Utility New Model Patent Number: ZL 200520139590.2
Utility New Model Patent Number: ZL200520139591.7
Utility New Model Patent Number: ZL200520139599.X



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TMS310Z

TMS320Z Intelligent Computer-Controlled Warper

TMS320Z computer-controlled high-speed warper is a kind of warper with high-performance newly developed by our company. Adopting high-speed computer control, it is mainly suitable for staple-fiber yarn, such as low stretch yarn, viscose yarn, polyester filament yarn, acrylic yarn, etc.

Main technology parameter:

- 1、 Warp beam specification
 - a)、 $\phi 535 \times 540$ mm (21 inches)
 - b)、 $\phi 762 \times 540$ mm (30 inches)
- 2、 Linear speed of warper: (80–980) m/min
- 3、 Air source: 0.8bar
- 4、 Beam clamping: pneumatic; beam lifting mechanism: pneumatic
- 5、 Speed-measuring roller diameter: 120 mm
- 6、 Yarn storage length ≤ 10 m Total tension: 200N
- 7、 Type and volume of bobbin creel (made to order)
 - ① : Ordinary
 - ② : Opening-type
 - ③ : Rotary opening-type
- 8、 Tension controller model: SGZ(1–2–3) liquid-state damp compensating tension controller, adjusting extent: 3–12 cN, 5–24 cN and 20–100cN.
- 9、 Control mode: Man-machine operation interface

Main features:

- 1、 Adopting pneumatic double-shaft positioning manner, the beam's support is of stable structure and high precision;
- 2、 Adopting air cylinder start manner, the beam clamping is simple, fast and reliable;
- 3、 Adopting disk-type brake, the brake of major shaft has large brake moment;
- 4、 Adopting programmable controller, the linear speed has high precision, and with man-machine interface, the operation is simple;
- 5、 The computer has real-time monitoring and copying function, and with constant tension control, when warping one group of beams, the length and perimeter are consistent.
- 6、 The warping data is recorded and saved from time to time, and can be used as recipe later;
- 7、 The nose and tension roller are controlled through bus technology;
- 8、 The tension data can be collected and tested online, and automatically be adjusted.



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TMS320Z



TMS ELECTRONIK INDUSTRY MACHINERY IND.& TRADE LTD.CO.

TMS330Z Electrical Controlled Warping Machine

TMS330Z type of intelligent computer controls the speed of the machine, a new development of the performance of the machine, the machine used a computer produced in the size of the tension of the deviation, can automatically adjust to ensure that the whole when the progression of constant tension; ensure that the yarn tension of the volatility of the smaller, and his head, outside the parameter.

Main technology parameter:

1. Beam Size: $\Phi 752 \times 540$ mm (30 inch)
 $\Phi 535 \times 540$ mm (21 inch)
2. Warper linear speed: 60–980m/min
3. Tensile strength: 200N
4. Beam clamping: pneumatil
5. Beam loading and doffing system: pneumatically controlled
6. Deflection roller's diameter: 120mm
7. Leveling roller unit: 3KW Ac transmission
8. Control way: Computer intelligent controlled and monitor
9. Air connection: 0.8bar
10. Storing the original beams' data: 8only

Main features:

1. Real time monitor copy by computer.
2. Intelligence real-time recording storage as a recipe called.
3. Intelligent interface operation, the intuitive convenient and fast
4. Principal axis transmission controlled by computer, same thread involution.
5. Computer controls the constant tense. With two-way control, the main strain roller has a wide regulating range.
6. Equipped with the original simulation pan head function, the machine can unitize the pan head well.
7. To reduce friction, when the yarn sliding across, the slide bar drive human-shaped reeds and separating needles to move together.
8. With a plane to return to a single, a steady and reliable.
9. Adopted by the new model of a clamping device, not by the injury to the punch.
10. Pneumatil used to store the amount of 10.8 metres.



TMS330Z

TMS400Z Intelligent Computer-Controlled Warper

TMS400Z intelligent computer-controlled high-speed warper is independently developed by our company to satisfy the demand of intermediate and low count raw materials. This machine is nationally advanced product and its integrated performance reaches international advance level. It is mainly suitable for staple-fiber yarn raw materials, such as low stretch yarn, viscose yarn, polyester filament yarn, acrylic yarn, etc. This machine will make the size of beam be uniform, when using pile fabric, intermediate and low count raw materials, the beam change times on the warper is reduced, it also make the yarn tension on the warper be uniform so that the waste is minimized, the yield and quality is improved, and the product is more beautiful.

Main technology parameter:

1. Warp beam specification
 - a). ϕ 1015mm X540 (40 inches)
 - b). ϕ 762mm X 540 (30 inches)
2. Linear speed: (80-980) m/min
3. Total tension of yarn: 350N Air source: 0.8bar
4. Beam clamping: pneumatic; beam lifting mechanism: pneumatic
5. Speed-measuring roller diameter: 120 mm
6. Yarn storage length=10.5m
7. Type and volume of bobbin creel (made to order)
 - ①: Ordinary ②: Opening-type ③: Rotary opening-type
8. Tension controller model: SGZ(1-2-3) liquid-state damp compensating tension controller, adjusting extent: 3-12 cN, 5-24 cN and 20-100cN.
9. Traction roller: 4KWAC transmission
10. Control mode: computer intelligent control and display

Main features:

1. Adopting integrated welding processing, this machine is of high concentric degree and stable body;
2. Adopting double-shaft pneumatic positioning manner, the beam support and tail bracket is of stable structure, high positioning precision and simple operation;
3. The intelligent computer has real-time monitoring and copying function to automatically compensate the tension difference incurred by the size of bobbin and nature of raw material, and with constant tension control, when warping one lot of beams (several groups), the length, perimeter and weight are consistent;
4. The warping data is recorded and saved from time to time, and can be used as recipe later (10 groups of mother beam);
5. Adopting computer control, the main shaft rotates with constant linear speed;
6. The intelligent operation interface is intuitive, convenient and fast;
7. Simulation function of beam: The intelligent warper can simulate a group of beam with consistent performance according to the specification of raw material, number of beams, specification of beam and data of beam;
8. Adopting brand-new warp beam clamping device, the internal hole of beam will not be damaged and the clamping force can be maintained uniform;
9. Adopting vector-type frequency converter, the running speed is stable and reliable;
10. The major shaft adopts disk-type brake, the new-style double-cylinder lever-type brake can achieve the function of high response speed and large brake moment;
11. The application of new-style blowing yarn-break auto-stop increases the wind force and makes the reaction more sensitive, so that the warping quality is improved further;
12. The tension data can be collected and tested online, and automatically be adjusted.



TMS400Z



TMS ELEKTRONIK INDUSTRY MACHINERY IND. & TRADE LTD.CO.



TMS300D Computer Controls The Speed Of The Machine



TMS210 With The Electrical Controls The Machine



TMS170 Electrical Controlled Warping Machine



Active Send Warping Roller



Tensile Roller



TMS880 Pattern Beam Warping Machine



Storing yarn

TMS300Z Electrical Controlled Warping Machine



TMS330Z Electrical Controlled Warping Machine



Tensile Detector





Industrial Fiber Creel



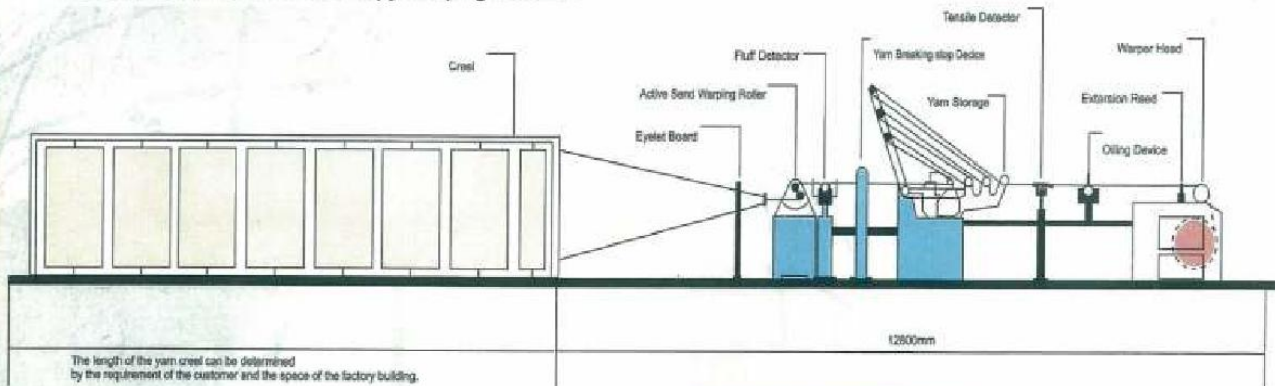
Yarn Creel



Yarn Creel:

- * Normal Creel * Rotating Creel * Bobbin Creel
- * Bobbin Turn Table Creel * Trowlery Fiber Creel etc. Other Unique size Based Upon Customer Request.

TMS330Z Real Time Monitor Copy Warping Machine



Yarn Breaking Stop Device



This Yarn Breaking Control Reeling Rack is constructed based on lever principle with hermetic style, which can be installed on various warp reeler.

Static Detector



It is mainly used for detecting coarse ball and eliminating broken yarn of warping machine or sizing machine and raising work efficiency.

Fluff Detector



It is mainly used for eliminator static or sizing machine and raising work efficiency.

Yarn Breaking Stop Device



The device used to run the machine under rapid, Accurate test of yarn broken, Improve the quality of the cloth-fies.

GS-3 Damping Tensioner



Suit for yarn 500-2000dex.

【 Tensile Detector 】



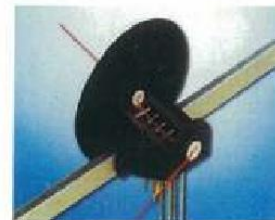
GS-1 Damping Tensioner



GS-2 Damping Tensioner



GS-4 Three Post Tensioner



GS-5 Roller Tensile Detector



GS-6 Windshield Tensile Detector



GS-7 Rings Tensile Detector



GS-8 One Post Tensioner



GS-9 Two Post Tensioner

Main features

Compensation of tension differences in the yarn packages being presented. Absorption of tension peaks by the hydraulic damping action of the compensating lever, leading to a smooth running of the yarn sheet. Resistant to dirt as there are no exposed revolving parts, nuts therefore require minimum maintenance. It can be custom made for consumer's request.