XS-80CNC-600 automatic taper tube shrinking machine



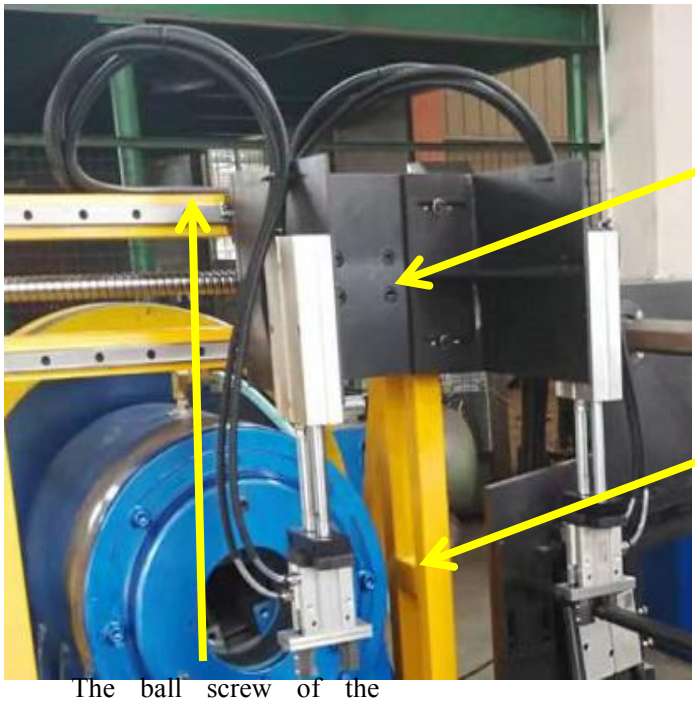




XS-80CNC-600 automatic taper tube shrinking machine is an automated processing equipment developed by our company for taper forming of large quantities of pipe sections.

The machine discharges materials on a slope. The manipulator on the inner side moves the pipes to be processed by moving up and down and left and right clamping → the displacement servo motor controls the movement of the left and right manipulators side by side to ensure that the pipes to be processed are concentric with the mold entrance → driven by the ejecting servo motor at the end The ball screw makes the ejector cart move along the linear guide rail to feed the material, control the accuracy of the processing taper length and realize the adjustable length of the shrinking tube → After the feeding length is reached, the ejector servo motor controls the cart clamping device to clamp the formed tube and retreat and reset → shift Servo motor with two side-by-side manipulators to reset → move up and down by the outer manipulator to clamp and take out the pipe after the shrinking tube is formed (at the same time, the inner manipulator clamps and takes out the next pipe to be processed) → shift the servo motor to control the left and right manipulators side by side Move → Move up and down by the outer manipulator, and the left and right loosening and forming pipe fittings will automatically fall to the discharge position (at

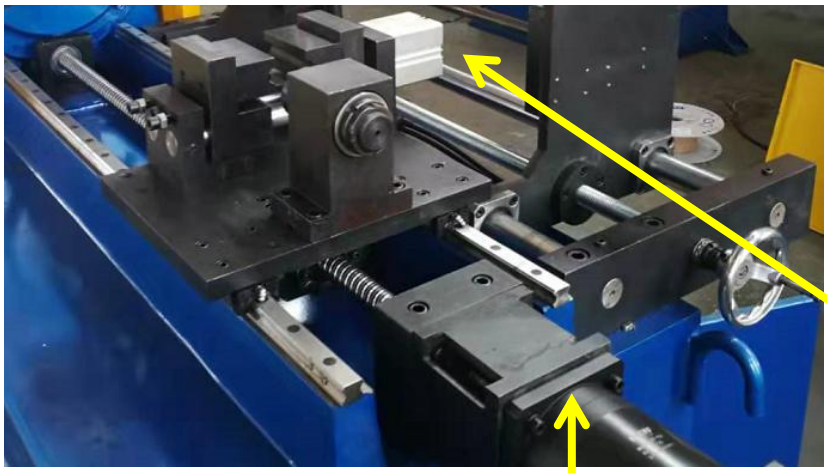
the same time the next pipe fitting will start forming processing)…



Move the cylinder up and down

Left and right clamping cylinder

The ball screw of the displacement servo motor and the linear guide for the



Adjustable slope width handwheel

The cylinder used to clamp and pull out

Topping servo motor



Shift servo motor

1. When the machine is working, it is forbidden to enter its action area;

2. The operator must stand within the reach of the emergency stop switch;

3. This machine must be operated by a dedicated person;

4. When the machine is malfunctioning, please turn off the power;

5. Keep the machine and environment clean;

6. For safety, please turn off the power when installing the mold;

7. Place the machine on a solid ground and correct the level to make the machine more stable;

8. Check the steering of the motor, if the steering is wrong, adjust the power wiring;

9. When using the buttons, please touch and press lightly, and it is forbidden to touch and press hard objects.

10. Adopt cold forging method to forge and lengthen pipe fittings into cylinder or cone.

11. Equipped with a closed circuit lubrication system to ensure the normal operation of the machine for a long time.

12. With the cooperation of corresponding molds, different shapes

and sizes and workpieces can be processed. The workpiece is bright, smooth, and has high strength.

Technical data

parameter / model	ZS80
Maximum shrinking capacity (mm)	Φ80×2.5
Maximum shrink tube length(mm)	600
Molding time(m)	10-60
Spindle speed(r/min)	286
weight(T)	2.5

Note: 32# mechanical oil and YA-N46 hydraulic oil are recommended.

After-sales service:

a) The equipment is guaranteed for 12 months after delivery. The time is calculated from the date of final acceptance after delivery. During the warranty period, the supplier shall provide free warranty for manufacturing quality problems, and the user shall bear reasonable repair costs for other reasons. After the expiration of the warranty period, accessories and good services will still be provided, and reasonable fees will be charged.

b) When the equipment is in use, if there is a failure, the supplier shall respond within 2 hours after receiving the notification from the demander. If the problem cannot be solved directly on the phone, send someone to the scene within 24 hours, and the general failure will be solved within 48 hours, and the major failure will be solved

as quickly as possible, in principle, no more than 72 hours (except holidays).

c) The supplier is responsible for timely feedback of the new process development trend to the demander, introduces the characteristics of the new equipment, provides advanced technology and craftsmanship, and is responsible for explaining the demander's queries.

Equipment acceptance:

Pre-acceptance is carried out at the seller's factory, and qualified test pieces specified by the buyer are processed.

Acceptance Criteria:

Check and accept according to the relevant clauses of this technical agreement;

Acceptance of trial processing according to the drawings of the bidding workpieces.