



The structure of the rolling machine is four-roller ,the upper roller is the main drive , through the reducer output gear meshing with the upper gear,to provide torque for rolling plate;The lower roller does the vertical lifting movement,which is obtained by the action of the hydraulic oil in the hydraulic cylinder on the piston,so as to clamp the plate,which is the hydraulic transmission.A side roller is arranged on both sides of the low roller and moves along the guide rail the frame,which is transmitted by the worm gear and worm gear of the screw nut or the hydraulic pressure.The advantages of the machine are that the plate end pre-bending and rolling can be carried out on the same equipment

Work frame:

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Body from the base, a fixed side frame and the tip side of the rack, and each part is steel welded structure. Were fixed with bolts on both sides of the rack in the base and sides of the rack will be used to connect beams connected to rigidity good. Both sides of the rack up roller and side rollers with movement of rail, fixed on the side of the rack with roller bearing for half of the closed frame structure, has overturned overturned side rack shelf support devices. Coil force in the process of both sides of the rack by the bear from the base not only supports the weight of the machine to ensure the accuracy of the role of equipment, but also enables a torque between the drive and chassis balance, and will join into one

Machine. In the now traditional large-scale four roller bending machine body and main gear is separate from the base installation.

Upper roll device

The up roller gear drive from the main for turning, the ends of the SP-1 bearing support, drive-side through the flat key, off the main drive gear and connect the device to transfer torque, tip-side with the protection of Steel .

The material of the up roller is 42CrMo, heat hardening is HB220-300

Main drive device:

By the motor, three speed reduction gear, transmission torque to the roller. In the high speed shaft of reducer with putting the power hydraulic brake. Power supply is 380v/50Hz

Down roller device:

Down roller supports under the bearing, the bearing housings on both sides of the rack mounted inside the track, the bottom of the piston and cylinder connected. Bearing in the liquid under pressure can rise and fall along the rail, according to the size of the thrust rod, steel plate under the roller clamping force required by the hydraulic system pressure control valve be adjusted. Addition of the down lower rollers can roll adjustment, improve the accuracy of product under the same material heat treatment hardening is HB220-280.

Side roller device:

Side of the roller bearing in the radial bearing pedestal, bearing on both sides of the rack mounted inside the track, the bottom of the piston and oil cylinder connected. Bearing in the liquid under pressure, can be tilted up and down along the rail, the size of the piston rod of the thrust force according to the needs of steel plate by the hydraulic system pressure control valve be adjusted. The side roll quality alloy steel, heat treatment hardening is HB220-280.

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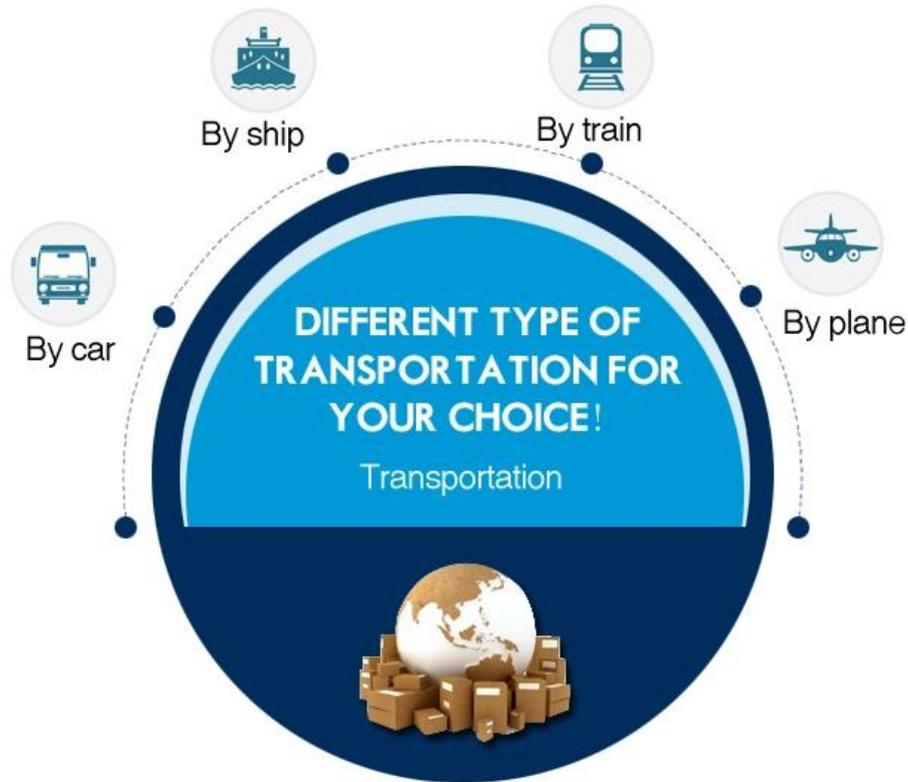
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