

THREE- ROLLER BENDING MACHINE MODEL: W11 – 12 mm x 3200

3 Roll Bending

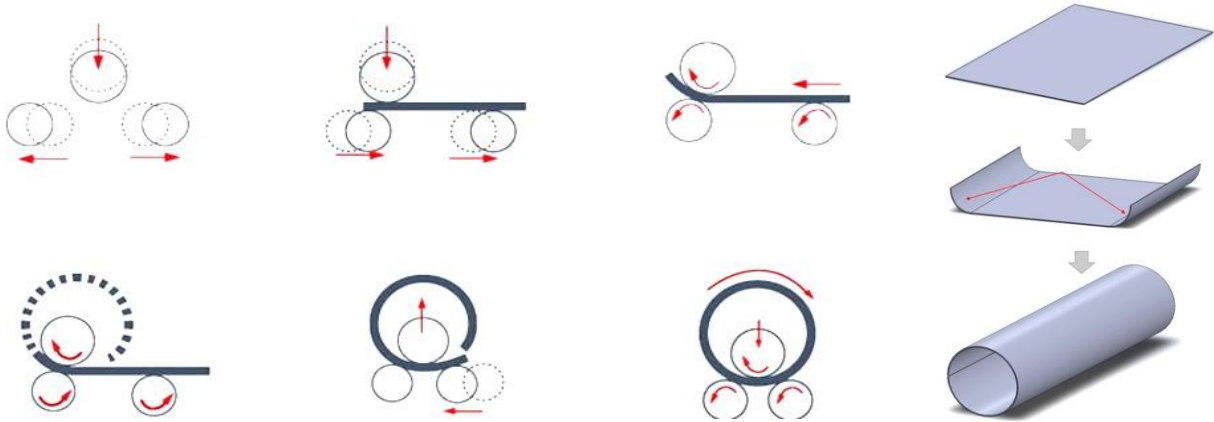


MACHINE DESCRIPTION:

Fully-Mechanical symmetric upper adjusting Three-Roll Plate coiling machine is common equipment for rolling metal plates. The machine is under electrical control which makes the operation simple and maintenance convenient. The machine is simple to operate and practical for plate coiling.

WORKING PRINCIPLE & PROCESS:

The coiled plate refers to the bending deformation caused by the external force of material to lengthen the outer fibers of the sheet material and shorten the inner layer fiber. The Working Capacity of the Plate Rolling Machine refers to the ability of the plate to roll up the minimum plate diameter and the maximum plate thickness and width.



MAIN STRUCTURE AND WORKING PRINCIPLE

- ❖ This machine is upper roller adjust type, and upper roller in middle of two down rolls and drove by lead screw to move up/down and to bend the steel plate.
- ❖ The equipment composed of working parts and drive system two parts. The working parts composed of right and left bearing plate, one upper roll, two down rolls (these three rolls material is 45# steel with heat treatment), lifting screw and worm wheel and other accessory parts. Down rolls drive upper rolls to move. Upper rolls can adjust up/down. Drive system composed of main motor, main speed reducer gear and other accessory parts.
- ❖ Down rolls were drove by main motor and main speed reducer gear, the spindle of main speed reducer drive two down rolls by one group gears, the direction adjusted by the main motor.
- ❖ Upper rolls lifted by accessory motor and vice speed reducer drive worm pole and worm where of right/left rolls bearing plate.
- ❖ Unloading device is used for bending circle type to remove the work piece. While unloading the upper rolls move to up limit position, the balance device on upper rolls ends hit upper roll store move the work piece.

TECHNICAL PARAMETER:
SYMMETRICAL THREE ROLLER BENDING MACHINE

Model No.	: W11-12 x 3200 mm
Brand Name	: PROTECH
Max Thickness of Plate	: 12 mm
Min. Thickness of Plate	: 2 mm
Max Width of Roll Board	: 3200 mm
Min. Diameter of Bending Circle	: 600 mm
Up Roll Diameter	: 280 mm
Down Roll Diameter	: 180 mm
Distance of Two Down Rolls	: 360 mm
Drive Speed	: 4.5
Main Motor	: 11 kw
Lifting Motor	: 4 kw
Max Yield Limit of Sheet Metal	: 245Mpa
Brand New	: China