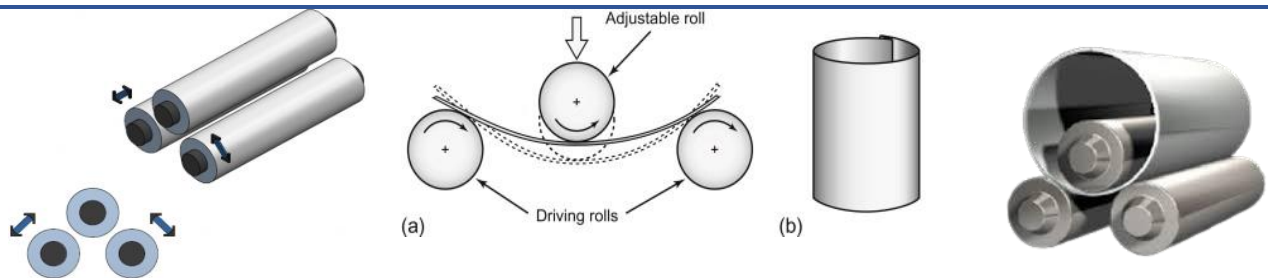


THREE ROLLER PLATE BENDING MACHINE MODEL: W11 – 8 mm x 3200

3 Roll Bending

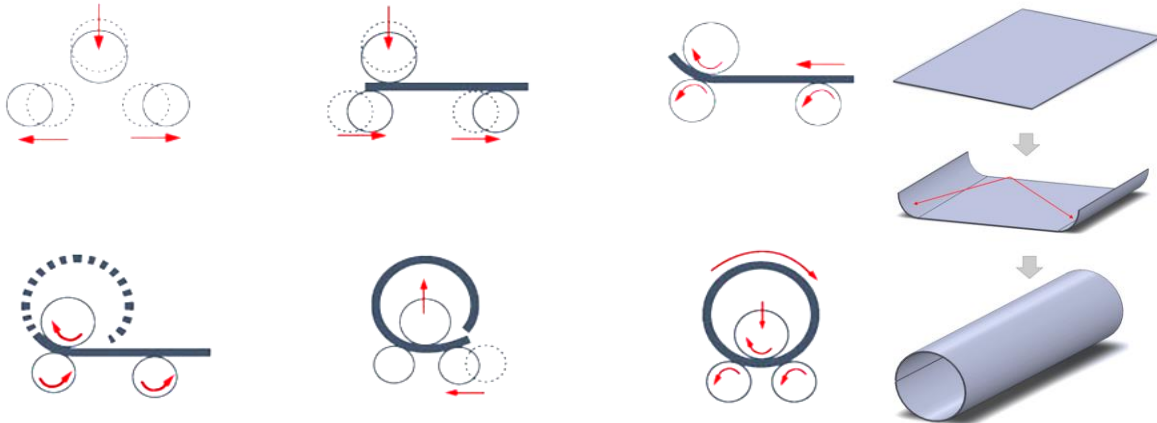


MACHINE DESCRIPTION:

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.



STRUCTURE:

1. The Main Part

- ❖ **The upper and lower roller:** As the main components of rolling machine, made of forged high-quality carbon steel / alloy steel. Surface treated by high frequency quenching.
- ❖ **Frame:** Two, with the lower parts of screws on the chassis, through the middle of the connecting shaft is connected, to keep in the same horizontal position, inside the worm wheel rotation, screw rod and the upper roller lifter.
- ❖ **Gear Box:** Using ZSY/XWS type standard type reducer and the pad s fixed on the same base.
- ❖ **Balance Device:** on the side of the main reducer, through the tail shaft and the balance of the column plate to maintain the balance of the upper roll.
- ❖ **Base:** by type of steel and steel welded together, the two frame, gear box, motor, etc. are installed on this base, so as to combined into one.
- ❖ **Electrical part:** from the electrical control cabinet, mobile operating table and motor, etc.

2. Transmission:

- ❖ **The main transmission:** Two roller main drive roller, the lower roller by the main motor through the gear reducer and open gear drive.

- ❖ **Vice Transmission:** On the roll through the vice motor of the positive and negative rotation, so that the reducer, drive shaft, worm gear, worm and Screw. Lift, Upper roller for passive roll.

TECHNICAL PARAMETER:

THREE ROLLER PLATE BENDING MACHINE	
Model No	: W11 – 8 mm x 3100 mm
Brand Name	: PROTECH
Max. Thickness of Coiled Plate	: 8 mm
Min. Thickness of Coiled Plate	: 2 mm
Max. Width of Coiled Plate	: 3200 mm
Working Length of Roller	: 3200 mm
Yielding Limit of Sheet Metal	: 245 MPa
Min Full Loading Dia. Of Coiled Plate	: 400 mm
Diameter of Top Shaft	: $\phi 220$ mm
Diameter of Bottom Shaft	: $\phi 160$ mm
Central Distance Between Bottom Shaft	: 300 mm
Coil Velocity	: About 4 m/min
Motor Power	: 7.5 kw
Lifting Motor Power	: 2.2 kw
Dimension (L x W x H)	: 4900 x 1200 x 1350 mm
Weight	: 5100 kg.
Brand New	: China