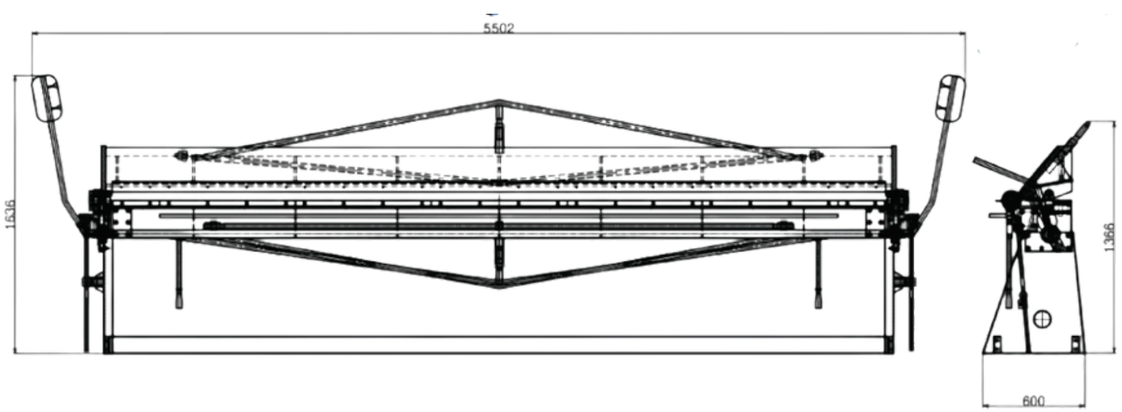
MANUAL PRESS BRAKE

A manual sheet metal bending machine, also known as a manual press brake or folder, is a foundational piece of equipment in many workshops and small-scale fabrication facilities. Unlike its hydraulic or electric counterparts, this machine operates by relying on the operator to apply force manually, typically using a lever or handle, to precisely bend and form sheet metal. Known for its simplicity, low maintenance, and affordability, the manual bending machine is ideal for custom projects, small production runs, and applications where high-precision bending of light-gauge materials is required. It provides a reliable and cost-effective solution for a variety of metalworking tasks without the need for an external power source.



SPECIFICATIONS	
Dimensions (LxWxH)	4500mm x 1300mm x 2600mm
Weight	4200 Kg
Bending sheet thickness (mm)	≤ 1.5 mm (Applicable for steel with a tensile strength ≤ 50 Kg/cm² - Standard steel)
Bending die set (m)	4.5 m (Material used: rail steel)
Bending ram (Tons)	2 cylinders Ø125 x 200 ST | 24.5 Tons / 2 Cylinders (Pressure 100 Kg/cm²) 2 cylinders designed to withstand a maximum pressure of 140 Kg/cm² - 34 Tons
Electric Power	5 HP

HYDRAULICS	
Electric Motor (HP)	Hitachi / Teco / ABB
Valve	Propiston - Taiwan
Oil Hose	Ø19 mm <> Ø27 mm (Yokohama - Japan / Dyneflex)
Push button	Anti-mold and dust, super durable for over 5 years (Idec - Japan)
Pressure gauge (Kg/cm²)	250 Kg/cm² (CNN - Taiwan)
Hydraulic oil	R32 (Imported) 150L

CONTROL CABINET	
Main Circuit Breaker (CB)	Fuji - Mitsu
Motor overload relay protection	Yes
Hydraulic valve switching relay	10A - Idec - Izumi - Japan
Push button	Anti-mold and dust, super durable for over 5 years (Idec - Japan)
Proportional speed control unit	Yes (1 speed)
Electric wire	Vietnam

PUNCHING, CUTTING & DRIVING PARTS	
Push button	Super durable against dust and moisture for over 5 years - Idec - Izumi (Japan)
2-groove press die (mm)	• Small groove: 10 mm • Large groove: 20 mm
Bearing	KG / FBC