

## Hydraulic Control Hacksaw Machine



**Introduction** Hydraulic Control Hacksaw Machine has been designed to cut quickly & accurately all material from nickel chrome steel to plastic, controls are simple & easy, An automatic cut out operates at the completion of the operation & the bow slide returns to the top position, The machines has attractive appearance,

**Bed :** The bed is of rigid casting with a wide through for collection of coolant, swan & also houses the V-belts device, bed is single piece casting

**Saw Frame :** The saw frame is of rigid construction & runs in prismatic guide ensuring a square & parallel cut & this cut takes place on the backward pull stroke, The blade is hydraulically lifted out of contact with work place on the forward stroke to prevent wear of the blade,

**The Drive :** The drive is given to the machine through V-Pullys with provision to adjust fully the tension of the V-Belts. The shafts are fitted with taper and ball bearings which eliminate friction.

**Speed :** Two speeds has been provided in order to make it suitable for all metals. High speed for metals like mild steel, brass, copper etc. and low speed for cast iron.

**Feed Saw :** Feed saw is controlled hydraulically by two levers provided at the dash-pot. One controls the rate of feed, while the other enables the bow slide to be raised or lowered and the motor gets switched off on completion of the cut.