

Technical Specification of Under Crank Mechanical Shearing Machine

Requisition No.:-63708477

Date:- 27.12.2012

Major Parameter	1.0 Purpose & Capability		<p>i) Cutting MS Sheets for the destination Boards, V-Boards & other LMF items like APD'S, Door stopper, patchwork.</p> <p>ii) Machine shall be capable of cutting various mild steel/ carton steel sheets/ stainless steel up to 4 mm thickness & 1200mm in width.</p>
	2.0	Design Features	<p>1) The machine shall be of robust design and construction, designed for ease of handling and operation by single man.</p> <p>2) Super Strong bed of closed box type construction, with suitable guards for the safety of the machine & operator</p>
	2.1	Frame	<p>Rigid Steel Frame of shears are optimally designed to avoid weak section at load support and is of inter locking arrangement The frame is strain free and eliminate welds at load support. The ram is guided throughout its length by accurate machined guideways ensuring proper clearance and clean cut.</p>
	2.2	Bed	<p>Super strong bed of closed box type construction stress relieved shall form the rigid backbone for the shear and a solid backing for the knife. Dovetail slots in front of the bed shall be provided for front gauge. Provide slots on top of the bed for machined pad across the bed for convenient setting of front gauge brackets at any desired spacing. Depression in the top of the bed to provide ample clearance for fingers in handling sheets narrower than the bed.</p>
	2.3	Finger Guard	<p>Finger Guard should be fitted for operator safety without obstructing viewing.</p>
	2.4	Motor & crank	<p>440 volts, 3 phase, 5HP motor with suitable starter & safety device. Cutting speed 50 stroke/min.</p>
	2.5	Table Size	<p>Height 800mm & width 450mm (Approx)</p>
	2.6	Cutter/ Blade Size (approx)	<p>Length 1270mm, width-63mm & blade thickness 18</p>
	2.7	Machine Size (approx)	<p>L- 2300MM, W- 1500mm, H- 1300mm & Weight 2000 Kg</p>
	3.0	Concomitant Accessories	<p>i) Necessary Tools required for the maintenance of the machine 1 No. each</p> <p>ii) One no. Contactor coil, contactor tip, over load relay etc. used in the starter of the machine.</p> <p>iii) First filling of Gear oil, lubricating oil</p>