

Metal Forming Lab



Hydraulic Press (Deep drawing test setup)

Make: J. RAGRAU INSTRUMENTS

Specifications:

Capacity	40T
Usable range	35T
Displacement	500 mm
Stroke length	400 mm
Holding pressure	Up to 50 bar
Working pressure	Up to 100 bar
Daylight	600 mm
Working area	600 x 600 mm
Power pack motor	7.5 h.p



HYDRAULIC COMPRESSION TESTING MACHINE

Make : HEICO
Model : 2000kN

Specifications:

Capacity	2000 kN
Vertical Clearance	800mm
Travel of the Ram	100mm
Platen Size	250 mm square
HYDRAULIC POWER PACK	
Flow of the pump	10LPM
Motor capacity	5 H.P.
Capacity of the tank	100litres
Operating pressure	200 Bars
Noise Level	Less than 70dB



DIGITAL HAND OPERATED BULGE TESTING SYSTEM (with accessories-Depth Micrometer, Spherometer & Caliper)

Make : J. RAGRAU INSTRUMENTS



SHEARING MACHINE

MAKE : VIVEK

MODEL : VUS 7

Specifications :

Cutting Capacity (MS) Length x Thickness	1525 X 4 mm
Stroke per minute	50
Table height	800 mm
Table width	400 mm
Front gauge	600 mm
Rear gauge	750 mm
Blade length x width x thickness	1525x63x18 mm
Motor capacity	3.7kW



MECHANICAL PRESS

MAKE : VIVEK

MODEL : VPP - 3 (C-Type)

Specifications :

Capacity	30 Ton
Stroke adjustment	63 mm
Length and width bed	522X381 mm
Distance bed to ram	254 mm
Stroke per min. (s.g.)	45
Stroke per min. (d.g.)	40
Floor to top of bed	890 mm
Motor capacity	2.2 kW

