



**waves** ELECTRONICS  
Quality *power*  
to the *point*

# Factory Tools And Machinery Facilities

Md. By. Marvel Jude on 24-05-2017

# 1. Press Brake



EHP 110

- Make : Hindustan Hydraulics.
- Made : Made in India
- Capacity : 100 TON
- Sheet Bending : Maximum sheet thickness 3mm.  
Maximum sheet Length 2500mm.
- Bending Materials : Aluminium, Mild steel, Stainless steel.

## 2. TruPunch



TruPunch1000

- Make : Trumpf TruPunch.
- Made : Made in Germany
- Sheet Material Thickness : Sheet thickness 0.8 mm to 6 mm max.
- Sheet Punching Materials : Aluminium, Mild steel, Stainless steel.
- Sheet Louver Cutting : 1 mm to 2 mm Max.



Sheet Foaming : 0.8 mm to 1.5 mm Max.

Thread Foaming : M3, M4, M5 → 1.5 mm and 2 mm thickness

Hole Punching : Round, Oblong, Square, Rectangle.





### 3. Bus bar Cutting, Hole Punching & Bending



- Make : Waves Electronics Pvt. Ltd.
- Made : Made in India
- Bus bar Cutting : 20 X 6 to 100 X 10 Max.
- Bus Bar Hole Punching: 5 mm, 6 mm, 7mm, 8mm, 8.5mm, 9mm, 10mm, 10.5 mm, 11 mm, 12mm and 13 mm Max.
- Bus bar Bending : 90° Max. Bus bar 20 X 6 to 160 X 10
- Bending Materials : Aluminium, Copper.

## 4. Punching Machine Alfa Press 800



Make	:	ALFRA
Made	:	Made in Germany
Overhang with limit stop	:	800 mm
Width of punch body	:	280 mm
Depth of punch body	:	1,700 mm

**Punching capacity :**

Circular from :  $\varnothing$  3.2 - 120.0 mm

Square up to : 110.0 x 110.0 mm

Special forms up to a  
max. diagonal of : 140.0 mm

**Material thicknesses (max):**

Sheet steel (S235) : 3.0 mm

Stainless steel (F = 600 N/mm<sup>2</sup>) : 2.0 mm

Aluminium (F = 22 N/mm<sup>2</sup> ) : 4.0 mm

Punchable plastics up to : 4.0 mm

## 5. Punching Machine MUBEA KL 350



Make	:	MUBEA
Made	:	Made in USA
Punch Pressure	:	38 Tons
Punching force	:	350 kN
Strokes	:	72 per min
Hole diameter	:	upto 100mm ( depending on material thickness )
Material thickness	:	upto 12 mm



## 6. Motor Generator Set




Make	:	Anand Engineering Corporation
Made	:	Made in India
KVA	:	5
kW	:	4
RPM	:	1500
volts	:	415
Power Factor	:	0.8 lag
Frequency	:	40Hz to 65Hz
Phase	:	3

## 7. CARIF 320






Make : carif  
 Made : Made in Italy  
 Blade motor : 1,4 Kw

Cutting Capacity :

												
90°	-45°	+45°	+60°	+90°	-45°	+45°	+60°	+90° *	-45°	+45°	+60°	90° opt.
275	190	200	130	265	160	185	130	320 x 230h	200 x 100h	185 x 220h	120 x 220h	320 x 230h

Operating range:

			
90°	275	320x230	265
-45°	190	200x100	160
+45°	200	185x220	185
+60°	130	120x220	130