



# MANKOO MACHINE TOOLS (P) LTD.

Manufacturers & Exporters of High Class POWER PRESSES

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## Cross Shaft Power Presses

Even more accurate, Even more dynamic, The Power presses that raise standards of precision & rigidity.

### **SPECIAL FEATURES:**

- Reduced noise and vibrations.
- Minimal frame gapping, low, angular deflection.
- High rigidity frame and bolster.
- High precision forming for longer die life.
- Hi-Torque pneumatically operated single disc combined clutch and brake unit.
- Gear transmission runs in oil bath.
- Wide slide and bolster area.



## FRAME & BOLSTER

The highly rigid frame, wide point spacing, slide & bolster hold the frame gap opening, frame elongation & bed deflection to the absolute minimum. The wide point spacing enables these presses to withstand eccentric loads.



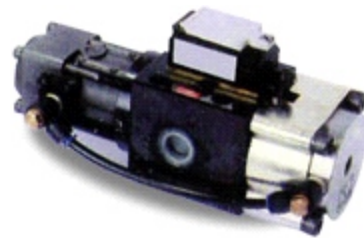
## CLUTCH & BRAKE

The single disc clutch & brake maintains correct heat balance. A high torque level and outstanding inching performance are ensured.



## HYDRAULIC OVERLOAD PROTECTOR (OPTIONAL)

Prevents damages to the press & dies. If the rated load is exceeded, the press stops automatically to prevent damage to the press or dies. Since the hydraulic pressure can be released easily, operations can be resumed smoothly even if jamming occurs.



## SLIDE ADJUSTER (OPTIONAL)

Easy to use motorised slide adjustment with display is provided as standard on 121, 165 & 220 Ton models only. The die height is displayed in units of 0.01 mm for precise slide adjustment.



## MMT CROSS SHAFT TECHNICAL SPECIFICATIONS

Model	Unit	MMT-28	MMT-50	MMT-66	MMT-88	MMT-121	MMT-165	MMT-220
Capacity	in/ton	28	50	66	88	121	165	220
Rated Tonnage Point	in	0.11	0.12	0.16	0.18	0.19	0.24	0.24
Length of Stroke	in	3.15	4.70	5.50	6.29	7.00	8.00	9.80
Stroke fixed Speed	s.p.m	80	70	60	60	50	45	30
Stroke Variable Speed	s.p.m	60-100	50-85	45-75	40-70	35-60	30-50	25-40
Max Die Height	in	9.80	10.60	11.80	12.60	13.80	15.70	17.70
Slide Adjustment	in	2.00	2.40	2.80	3.10	3.50	3.90	4.30
Depth of Throat	in	8.30	8.86	10.60	12.20	13.80	15.35	16.90
Bolster Area L.R	in	27.56	31.89	34.25	37.40	42.12	46.00	54.72
Bolster Area F.B	in	15.75	17.32	20.47	23.62	26.77	29.92	33.00
Distance Between Upright	in	17.70	19.70	22.00	24.60	26.00	28.35	35.00
Slide Face L.R	in	14.20	16.00	19.00	21.26	24.40	27.56	34.80
Slide Face F.B	in	9.84	13.40	15.75	18.10	20.50	22.80	25.60
Bolster Table Thickness	in	3.10	4.30	5.10	5.50	6.10	6.50	7.00
Shank Hole Dia	in	2.00	2.00	2.00	2.00	2.50	2.50	2.50
Shank Hole Depth	in	2.50	2.50	2.50	2.50	3.50	4.00	4.00
Bolster Surface Height From Ground	in	31.00	31.50	35.40	35.40	35.40	35.40	39.00
Floor Dimension L	in	52.00	54.00	57.00	64.00	70.00	80.00	95.00
Floor Dimension W	in	43.00	45.50	48.00	50.00	56.00	60.00	68.00
Floor Dimension H	in	83.50	92.00	101.00	106.00	116.00	124.00	146.00
Distancen Between Foundation Bolts	F.B in	42.50	46.80	43.30	48.60	59.40	65.40	79.50
	L.R in	27.00	29.00	33.00	36.00	41.00	45.00	53.50
Main Motor	Hp	5	7.5	7.5	10	15	20	25
Slide Adjustment Motor	Hp	-	-	-	-	1	1.5	1.5
Air Pressure	Psi	80	80	80	80	80	80	80