High Performance Mechanical Presses

mankoo INDIA

WWW.MANKOOPRESSES.COM

Making a **Differnce**

Global Reach & Local Impact
We manufacture machines of international standards and make sure our business clients can benefit from our efforts of keeping “their experience and usage” of high end technology.

ISO 9001-2015 Certified
MANKOO (INDIA) is certified from ISO and follows the most appropriate operational standards for Engineers and Ground Staff safety.

Consultancy
MANKOO (INDIA) focuses on providing detail oriented reports for Power Presses Machinery for industrial usage. Striving on “The Best Consultation” in the market.

Site Service
We have a specialised unit of onsite employees who work on “ON DEMAND” basis for handling sudden breakdowns and emergency repairs.

MANKOO (INDIA) is a leader in the Presses Making industry.
We focus only on two things “Quality” and “Values”.
Manufacturing and delivering the most reliable machines in India.

Our **History**
Since 1974

MANKOO INDIA is a leading and dedicated Power Press Manufacturer [Since 1974] in Ludhiana-India, committed to build long-lasting relationships with local and international business clients.

The company is ISO 9001:2015 certified & trusted in the nation for their excellence in making efficient power presses for different industries. MANKOO INDIA always strives for making the BEST product for the market.

Clients we've served

JK Files (India) Limited (A Subsidiary of Bajaj Limited)
DATSONS Engineering Works
YESHSHREE
SONALIKA LEADING AGRI EVOLUTION
HAL
XVARIAN
LGB
LARSEN & TOUBRO
Eastman

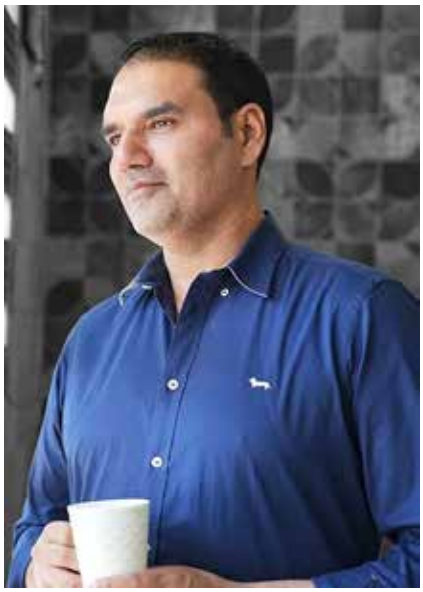
About our **Founder**

Late S. Mohinder Singh Mankoo

The founder of MANKOO (INDIA) was a veteran professional of his field. He was a competent Businessman. His idealistic approach has made him a successful Businessman in the Press manufacturing industry. He has been biggest part with a demonstrated history of working in the mechanical or industrial engineering industry. Over the past many years, he has served many businesses with his specialised skills in Manufacturing, Lean Manufacturing, Continuous Improvement, CNC Programming, and Product Development.

Leadership Team

Gurvinder Singh Mankoo
Managing Director



Parnjit Singh Mankoo
Technical Director

Jai Inderpal Singh Mankoo
Sales Director

Assembly

We are closely familiar with machines from all known manufacturers, from hydraulic and mechanical presses, to forging and blow-moulding technology.

Electric Motor

Gear Shaft

Worm Gear Shaft

Ball Seat

Control Panel

This Control panel offers intuitive operation, precise control, and real-time monitoring, enhancing safety, efficiency, and productivity in automated press operations.

Straightner

Our steel coil straightener ensures smooth, accurate straightening of steel coils, enhancing production efficiency, reducing material waste, and improving product quality in manufacturing processes.

Servo-Feeder

Mankoo's mechanical press servo feeder offers precise, high-speed material feeding, customizable settings, and enhanced efficiency, boosting accuracy and productivity in automated stamping processes.

De-Coiler

Our De-coiler efficiently unwinds steel coils, providing smooth, controlled feeding into the production line, reducing downtime, and enhancing overall manufacturing productivity.

1. Knuckle Joint Press Assembly
2. Plunger Guide Assembly
3 Motorized Ram Assembly
4. Ram Assembly
5. Eccentric Press Gear Drive

1. Knuckle joint press assembly delivers high-force, precision forming with optimal efficiency, ensuring durability and accuracy for complex manufacturing applications.

2. This Plunger guide assembly for mechanical power press ensures precise alignment, smooth operation, and extended tool life, enhancing overall press performance and productivity.

3. Our Motorized RAM assembly for mechanical power press provides precise motion control, enhanced efficiency, and reliable performance, improving the accuracy and productivity of pressing operations.

4. The Ram is guided on the columns from eight surfaces. Each plate is precisely adjusted and secured with bolts in both the x and y directions. Optimized lubrication channels and precision-machined bronze bearings operate on steel plates.

5. During the process, velocity, position, and acceleration are optimized within the mechanism's limits to direct material flow accurately. The ideal movement curve is targeted to minimize forces on the press limbs and bearings.

Our Machines

. Our products include a variety of presses tailored to meet diverse industrial needs, ensuring robust performance and reliability. With cutting-edge technology and exceptional craftsmanship, Mankoo Manufacture stands as a trusted leader in the mechanical press machine industry.

Cross Shaft Power Presses

Cross Shaft Presses are single point gap frame presses with fabricated steel frame, cast slide and bolster. It is designed for either automatic or hand-fed general stamping applications such as blanking, piercing, forming, drawing, bending, etc.

Range : 32 Tons to 250 Tons

Technical Specification

Tonnage		32	40	63	80	100	160	200	250
Rated Distance before BDC	mm	3.5	4	5	5	5	6.3	6.3	6.3
No. Of Slide Strokes	SPM	60	60	55	50	45	40	40	35
Fly-Wheel Energy	KJ	4.4	8	16.75	20	25	55	70	80
Stroke Fixed	mm	80	88	100	100	125	160	200	200
Throat Depth	mm	210	235	285	305	325	385	410	410
Shut Height	mm	250	275	300	315	325	400	450	475
Slide Adjustment	mm	63	70	70	70	80	100	100	125
Slide area (L-R x F-B)	mm	350x250	400x350	500x400	500x400	600x450	710x600	900x800	900x800
Bolster area (L-R x F-B)	mm	630x400	800x450	900x550	950x575	1000x630	1120x750	1250x800	1250x800
Bolster Thickness	mm	75	75	90	90	90	120	150	150
Bed Opening (L-R x F-B)	mm	315x224	355x250	400x280	450x325	500x355	560x450	630x450	630x500
Clear Distance between uprights	mm	420	500	590	625	670	775	900	-
Main Motor	KW x RPM	2.2x1440	3.7x1440	5.5x1440	5.5x1440	7.5x1440	15x1440	15 x 1440	18.5x1440
Height from floor to top of bolster)	mm	800	850	850	850	850	900	900	900
Required air pressure	ATM	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Die cushion model	-	MI 32	MI 40	MI 63	MI 80	MI 100	MI 160	MI 200	MI 250

Die Cushion

Force	KN	17	44	70	80	100	200	200	270
Stroke Length	mm	50	50	50	50	50	75	100	100
Pressure pad area	mm	290 x 200	335 x 230	380 x 260	425 x 300	475 x 330	535 x 425	600 x 425	600 x 475
Required Air pressure	ATM	7	7	7	7	7	7	7	7

With Rolling Key Clutch

H Frame Mechanical Power Press

H Frame Pneumatic Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. The interlocked design put the direct support to frame. This frame is strain free and eliminates welds at load supports. Thus the accuracy of the machine is never disturbed. The H-Type Body is to support the press bed and ram.

With Pneumatic Clutch

Technical Specification

Specifications		30 Tons	50 Tons	80 Tons	100 Tons	150 Tons	200 Tons	250 Tons	300 Tons	400 Tons	500 Tons
Bed Size LR x FB	mm	440x440	445x511	475x536	580x655	642x715	680x800	900x900	925x950	950x1000	1000x1100
No. of Strokes per Min	SPM	50	45	40	40	35	35	30	30	28	28
Stroke Length Adjustable	mm	8-76	8-88	8-102	8-114	10-127	20 – 135	20 – 152	20 – 175	200 FIX	200 FIX
Daylight from Bottom Bed	mm	291	295	317	415	483	520	550	600	650	700
Shut Height from Bottom Bed	mm	215	207	215	301	356	385	398	425	450	500
Slide Adjustment	mm	25	28	30	35	35	40	45	50	50	65
Bolster Thickness	mm	75	68	72	75	96	102	102	110	120	120
Bed Opening	mm	100	100	125	150	150	175	175	200	200	200
Gear Dia	mm	533	610	678	796	873	914	1015	1125	1225	-
Fly Wheel Dia	mm	610	678	796	873	1041	1168	1270	1350	1400	1475
Shank Hole Dia	mm	31	31	37	44	51	57	67	67	75	75
Floor to Top of Bed	mm	762	725	740	751	775	762	813	850	850	850
Motor Power Required	H.P	3/1440	3/1440	5/1440	7.5/1440	10/1440	15/1440	20/1440	25/1440	40/1440	50/1440
Required Air Pressure	Kg/cm2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

Die Cushion

Capacity	Tons	3	5	8	10	15	20	25	30	40	50
Stroke Length	mm	45	50	60	65	80	90	100	110	120	130
Air Pressure	Kg/cm2	7	7	7	7	7	7	7	7	7	7

C Frame Mechanical Power Press

The C-Frame Press line features a slim and clean design, allowing the operator excellent accessibility to the work area from the front as well as the sides. Ideal for rubber molding, straightening, bending, pressing, stamping, and die cushion work, C-Frame Presses offer an outstanding price-performance ratio.

With Rolling Key Clutch

With Pneumatic Clutch

Technical Specification

Range : 10 Tons to 250 Tons

Specifications		10 Tons	20 Tons	30 Tons	50 Tons	80 Tons	100 Tons	150 Tons	200 Tons	250 Tons
Bed Size LR x FB	mm	482x318	542x360	644x406	750x508	813x546	940x623	1016x665	1100x700	1200 x 800
No. of Strokes per Min	S.P.M.	55	50	45	40	40	40	35	30	28
Stroke Length Adjustable	mm	8-51	8-63	8-76	8-90	8-102	8-114	10-130	20-150	20 – 175
Daylight from Bottom Bed	mm	243	276	330	358	373	535	590	615	640
Shut Height from Bottom Bed	mm	192	213	254	268	271	421	460	465	465
Slide Adjustment	mm	25	28	30	35	35	40	45	50	50
Throat Depth	mm	159	180	203	254	273	312	332	350	400
Bolster Thickness	mm	67	67	72	85	85	85	95	100	120
Bed Opening	mm	100	100	125	150	150	175	175	200	200
Gear Dia	mm	533	610	678	796	873	914	1015	1125	1225
Fly Wheel Dia	mm	457	660	600	686	762	914	1065	1200	1250
Shank Hole Dia	mm	32	40	40	46	50	53	57	57	65
Floor to Top of Bed	mm	735	726	773	820	836	850	850	850	850
Motor Power Required	H.P./RPM	1.5 / 1440	2 / 1440	3/1440	5/1440	7.5/1440	10/1440	15/1440	20/1440	25/1440
Required Air Pressure	Kg/cm2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

Die Cushion

Capacity	Tons	1	1.5	3	5	8	10	15	20	25
Stroke Length	mm	25	25	45	55	65	70	80	100	110
Air Pressure	Kg/cm2	7	7	7	7	7	7	7	7	7

Knuckle Joint Press

Increasing quantities, a higher level of accuracy and higher material strengths – the requirements in sheet metal forming are clearly defined.

A knuckle joint press is a press machine that uses a knuckle joint mechanism to generate a high force over a short stroke.The knuckle joint mechanism is a four-bar linkage that consists of two connecting rods and a knuckle pin. When the connecting rods are driven, the knuckle pin is forced to move in a circular path, which causes the press ram to descend. Knuckle joint presses are typically used for high-speed, high-precision metal forming applications, such as blanking, piercing and coining. They are also used in some plastic forming and composite materials forming applications.

Technical Specification

Nominal Force		250 Tons	400 Tons	630 Tons	1000 Tons
Ram Stroke	mm	120	130	150	170
Speed	spm	60	50	40	32
Shut Height (SDAU)	mm	300	375	420	470
Ram Adjustment	mm	12	12	16	16
Bed Dimensions (LRxFB)	mm	400 x 400	500 x 500	630 x 630	800 x 800
Lower Knockout Stroke	mm	70	80	110	120
Force	ton	8	12	20	32
Upper Knock Out Stroke	mm	10	10	10	16
Main Drive Electric Motor	hp	10	20	30	40
Ram Adjustment Motor	hp	1	1	1	1
Lubrication Motor	hp	0.5	0.5	0.5	0.5
Overall Dimensions	mm	1750 x 1150	1980 x 1240	2200 x 1500	2700 x 1600
Height from floor Level	mm	2585	2800	3600	3925

Straight Side Cross Shaft Power Press

Straight Side Frame Designed Virtually Eliminates Angular Deflection, Providing Increased Precision for Progressive Die Applications and Reducing Maintenance Costs on Tooling.'MIXR' Series is Applicable to Light, Thin Material, for Single, and Progressive Die Application in Blanking, Piercing, Bending, Forming and can be Interlink with ROT Line or Transfer Unit.

Technical Specification

Model		MIXR-80	MIXR-110	MIXR-160	MIXR-200	MIXR-250
Capacity	Tonne	80	110	160	200	250
Fix Stroke	mm	150	180	200	220	250
Adjustable Stroke	mm	8-100	8-125	8-160		20-160
Stroke Per Min.	Fixed	60	50	40	35	30
Tonnage Rating Points	mm	4.5	5	6	6	6
Die Height	mm	330	360	400	450	450
Force	mm	8	12	20	32	-
Slide Adjustment	mm	80	90	100	110	120
Slide Area	mm	560x460	650x520	720x580	860x650	960x720
Shank Bore(O)	mm	50	63	65	80	80
Bolster Area	mm	900x600	1000x680	1150x760	1250x840	1350x900
Bolster Thickness	mm	140	140	160	180	180
Floor To Top Of Bolster	mm	900	900	900	1000	1000
Main Motor Stroke (HPxP)	Fixed	10x4	10x4	15x4	20x4	25x4
Slide ADJ. Motor	Tonne	0.4	0.4	0.75	1.5	1.5

Die Cushion

Capacity	Tonne	6	8	10	14	14
Stroke Length	mm	70	90	100	110	110
Air Pressure	mm	380x260	480x300	540x340	640x440	640x440

Two Point H Frame Power Press

Our presses are manufactured by experienced professionals in compliance with international quality standards using supreme-grade metal and other related raw materials.

We thoroughly test each press on various parameters to ensure quality. We can also custom-design our presses to meet the specific needs of our customers. We offer our presses in a variety of specifications at competitive prices.

Two Point Frame Press series is a two point, straight side press with a fabricated, unitized frame designed to offer an optimized solution for minimal deflection to.

Technical Specification

Capacity (Tons)	200	200	200	250	250	250	315	315	315
Bolster area L-RxF-B	1500×1200	1800×1200	2500×1300	1500×1000	1800×1200	2500×1300	1500×1000	1800×1200	2500×1300
Slide area L-RxF-B	1400×800	1700×1000	2400×1100	1400×800	1700×1000	2400×1100	1400×800	1700×1000	2400×1000
Stroke length (fix)	200	200	200	200	200	200	200	225	250
Shut height (SDAU)	450	450	450	500	500	550	550	550	550
Day light (SUAU)	650	650	650	700	700	750	750	775	800
Slide Adjustment (motorised)	100	100	100	110	110	125	125	125	125
No. of slide stroke (SPM)	25	20	20	25	20	25	20	20	20
Main Motor (HP)	25	20	25	25	25	30	30	30	40
Bed Opening	mm	100	100	125	150	150	175	175	200
Req.air pressure for pneumatic clutch (Kg/Cm2)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

Die Cushion

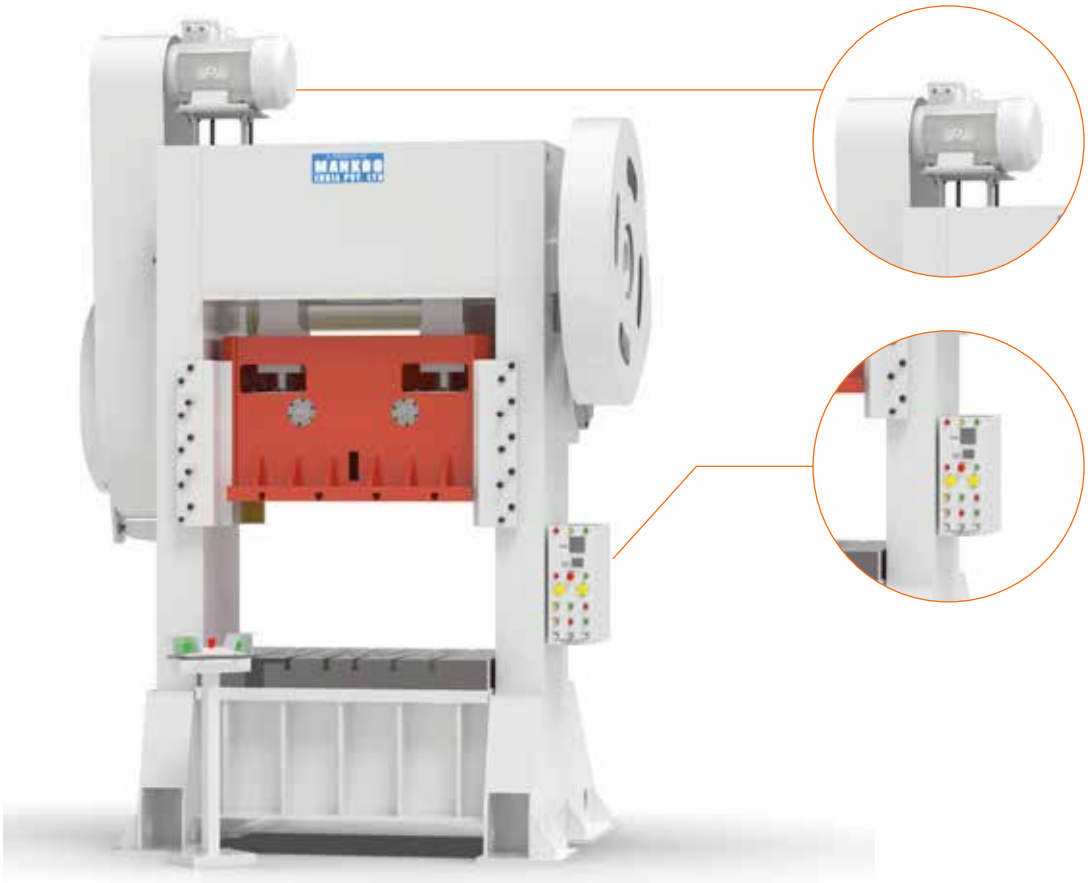
Capacity (Tons)	20	20	20	25	25	25	30	30	30
Stroke Length	110	110	110	110	110	110	110	125	140
Req. Air pressure (Kg/Cm2)	5	5	5	5	5	5	5	5	5

Technical Specification

Capacity (Tons)	400	400	400	500	500	630	630	630
Bolster Area	1500×1000	1800×1200	2500×1300	1500×1000	1800×1200	1500×1000	1800×1200	2500×1500
Slide Area	1400×800	1700×1000	2400×1100	1400×800	1700×1000	1400×800	1700×1000	1700×1000
Stroke Fix	200	225	250	200	200	200	225	250
Shut Height	600	600	600	650	650	700	700	700
Day light (SUAU)	650	650	650	700	700	750	750	775
Day Light	800	825	850	850	850	850	925	950
Slide Adjustment	125	125	125	150	150	150	150	200
No. Of Slide Stroke	25	20	20	25	25	25	20	20
Main Motor (HP)	40	40	40	50	50	60	60	60
Req.air pressure for pneumatic clutch (Kg/Cm2)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

Die Cushion

Capacity (Tons)	40	40	40	50	50	75	75	75
Stroke Length	110	125	140	110	125	110	125	140
Req. Air pressure (Kg/Cm2)	5	5	5	5	5	5	5	5



Electric Motor

Controls mechanical press with reliable, efficient, and precise electric motor.

PLC Based Control Panel

Automates mechanical press operations with precision and efficiency.

Double Crank Cross Shaft Power Press

Double Crank Cross Shaft C Frame Power Presses are applicable for single and progressive die application in blanking, piercing, bending, forming. You can interlink them with transfer unit. These presses are having Rigid frame with less deflection & Wide bolster and side area. These presses are most suitable for automobile components & white good industry.

Technical Specification

Specification		MINX-2–110	MINX-2–160	MINX-2–200	MINX-2–250	MINX-2–300
Capacity	Ton	110	160	200	250	300
Length of Stroke	mm	180	200	230	250	280
Stroke Per Minute	S.P.M	50	40	35	30	30
Tonnage Rating Point at B. D. C	mm	5	6	7	7	8
Die Height	mm	400	450	500	550	550
Adjustment of Slide	mm	90	100	110	120	120
Area of Slide	mm	1430×520	1560×580	1850×650	2100×700	2100×800
Diameter oi Shank Hole	mm	51	51	51	51	51
Area of Bolster	mm	1880×680	2040×760	2420×840	2700×920	2700×900
Thickness of Bolster	mm	150	160	170	180	200
Throat Depth	mm	900	950	1000	1100	1100
Main Motor	Hp x p	10HP x 4P	15Hpx4P	20Hp x 4P	25Hp x 4P	30Hp x 4P
Foot Size	mm	1980×1760	2170×2030	2520 × 2165	2810 × 2470	2870 × 2535
Floor Space Required	mm	2090×1760	2275×2030	2650 × 2165	2915 × 2470	2945 x2535
Overall Height	mm	3098	3378	3370	4138	4368

Die Cushion

Capacity (at 5kg /cm2)	tf	6 × 2	8 × 2	10 × 2	14 × 2	14 × 2
Lenght of Stroke	mm	70	90	100	120	120
Area of Pads (R.L X F.B)	mm	480 × 340 x 2	560 × 370 × 2	700 × 450 × 2	700 × 450 × 2	700 × 450 × 2

Straight Side Double Crank Power Press

We manufacture, export, and supply a high-quality range of Straight Side Double Crank Power Press. Our diligent professionals use high-quality components and cutting-edge technology to manufacture these presses. This press is in high demand across a variety of industries. We offer our Straight Side Double Crank Power Press at the most competitive prices in the industry, and we deliver them within the agreed-upon time frame.

MIXP – 2 SERIES TWO POINT H FRAME CROSS SHAFT POWER PRESS is having and Box Type Steel Welded Construction with Minimum Frame Deflection. The Slide Moves In 4 Point Long Guides & Motorized Slide Adjustment With Die Height Indicator (0.1 MM). It is equipped with a Dual Solenoid Valve For Safety.

Technical Specification

Model		MIXP-2-160	MIXP-2-200	MIXP-2-250	MIXP-2-315	MIXP-2-400	MIXP-2-500
Capacity	Ton	160	200	250	315	400	500
Fix Stroke	mm	200	220	250	300	300	300
Stroke Per Minute	S.P.M	40	35	30	30	25	20
Tonnage Rating Point	mm	6	7	7	7	7	9
Die Height	mm	450	500	550	550	600	650
Slide Adjustment	mm	1010	100	120	120	150	175
Slide Area	mm	1560×650	1850×750	2100×820	2100×900	2200×1000	2200×1000
Bolster Area	mm	1850x 760	2200×840	2500×920	2500×1100	2500×1100	2500×1100
Bolster Thickness	mm	160	170	180	200	200	200
Main Motor	hp x p	160	20 × 4	25 × 4	30 × 4	40 × 4	50 × 4
Slide Adjustment	kw	0.75	1.5	1.5	1.5	2.2	2.2

Die Cushion

Type		Bellow	Bellow	Bellow	Bellow	Bellow	Bellow
Capacity	Tonne	8×2-16T	10×2-20T	14×2-28T	14×2-28T	20×2-40T	20×2-40T
Stroke Length	mm	110	130	140	140	150	150
Pad Area	mm	560×370×2	700×450×2	700×540×2	700×540×2	900×600×2	900×600×2

Straight Side Single Crank Power Press

Straight Side Single Crank Power Press MIXH – 1 SERIES Straight Side Single Crank Power Pressis having and Box Type Steel Welded Construction with Minimum Frame Deflection. The Slide Moves In 4 Point Long Guides & Motorised Slide Adjustment With Die Height Indicator (0.1 MM). It is equipped with a Dual Solenoid Valve For Safety. A straight side single crank power press is a type of mechanical press that uses a single crank to generate the power to press the material. These presses are typically larger and more expensive than ungeared C-frame power presses, but they are also more powerful. Straight side single crank power presses are commonly used in a variety of industries, including the automotive industry, electronics industry, and appliance industry.

Technical Specification

Model		MXH1–110	MXH1–160	MXH1–200	MXH1–250
Capacity		110	160	200	250
Stroke Length	mm	125	160	200	220
Stroke Length Variable	mm	8-25	8-160	-	-
Stroke Per Min	SPM	50	40	35	30
Rated Tonnage Point	mm	5	6	6	6
Shut Height	mm	360	450	500	500
Slide Adjustment	mm	90	100	120	120
Slide Area (PxQ)	mm	650×520	720×580	800×680	900×800
Bolster Area (LR x FB)	mm	1000×680	1100×760	1250×840	1300×900
Bolster Thickness	mm	140	165	180	180
Floor To Bolster	mm	900	900	1000	1000
Window in upright	mm	650×350	700×400	800×450	800×450
Main Motor	HP	10	15	20	25
Motor of Slide Adjustment	HPxP	1×4	2×4	2×4	2×4
Overall Space	mm	1600×1830	1750×2135	1970×2250	2020×2540
Press Height(w/o mounts)	mm	2950	3235	3685	3775
Air Pressure Required	Kg/cm	5	5	5	5

Die Cushion

Pneumatic Die Cushion	Tonnage	10	15	20	25
Strok	mm	70	90	110	110
Pad Area	mm	480×300	540×340	640×440	640×440

Ungeared C frame Power Press

C-frame High Speed Press machine, also known as ungeared high speed press machine, is a new generation of high performance press.

An ungeared C-frame power press is a type of mechanical press that uses a flywheel to generate the power to press the material. Ungeared C-frame power presses are typically used for light to medium-duty pressing operations, such as stamping, punching and bending.

Ungeared C-frame power presses are typically smaller and less expensive than geared C-frame power presses, but they are also less powerful.

Technical Specification

Specifications		10 Tons	20 Tons	30 Tons	50 Tons	80 Tons	100 Tons
Bed Size LR x FB	mm	482 x 318	542 x 360	644 x 406	750 x 508	813 x 546	940 x 623
Bed to Ram Bottom	mm	243	276	330	358	373	535
Stroke Adjustable or Fix	mm	51	63	76	90	102	114
Adjustment of Slide	mm	25	28	30	35	35	40
Bolster Thickness	mm	67	67	72	85	85	85
Bed Opening	mm	100	100	125	150	150	175
Shank Hole Dia	mm	32	40	40	46	50	53
Floor to Top of Bed	mm	735	726	773	820	836	850
No. of Strokes per Min	S.P.M	150	125	120	120	120	120
Motor Power Required	H.P. / RPM	1.5 / 960	2 / 960	3 / 960	5 / 960	7.5 / 960	10 / 960

Two Point High Speed Ungeared Press

TWO POINT H FRAME UNGEARED HIGH SPEED PRESSES are heavy duty presses used for bigger dies. It is suitable for MOTOR LAMINATION and progressive dies.

They are equipped with Motorized Ram adjustment. The Main frame of the press is of all welded to up right straight line type constructed of thick rolled plates.

Technical Specification

Model		MIHS-40	MIHS-63	MIHS-100	MIHS-160	MIHS-200	MIHS-315
Capacity	Tonne	40	63	100	160	200	315
Stroke Length	mm	25	25	30	30	30	40
Strokes Per Min.	spm	100-200	100-200	100-200	90-180	90-180	80-160
Die Height	mm	260	315	330	350	400	450
Slide Adjustment	mm	40	40	40	50	50	50
Slide Area (LR x FB)	mm	600 x 350	700 x 400	900 x 500	1150 x 630	1400 x 700	1700 x 800
Bolster Area (LR X FB)	mm	700 x 500	800 x 600	1050 x 800	1300 x 850	1500 x 900	1800 x 900
Bolster Thickness	mm	80	100	130	160	175	200
Bed Opening (LR x FB)	mm	500 x 200	600 x 225	850 x 250	1100 x 300	1300 x 350	1500 x 380
Side Opening (F-B) x HT in column	mm	225 x 200	250 x 200	280 x 250	315 x 275	380 x 300	450 x 300
Main Motor	kw	7.5	7.5	11	15	22	37
Air Pressure Atm	Kg./Cm2	7.5	7.5	7.5	7.5	5.5	5.5

Plunger Guided Link Motion Press

Plunger Guide Link Motion Press are designed for high precision and less die wear. The Plunger Guide Link Motion Press absorbs thrust load from eccentric motion, preventing side load on the gibs. This results in less tool wear and higher part accuracy. Link Motion drives can improve die life by reducing shock & vibration . The reduced slide velocity in the working portion of the press stroke allows progressive die and vertical link motions to reduce shock and vibration by 30 percent to 70 percent during blanking operations. This reduces both press and auxiliary equipment noise levels and wear.

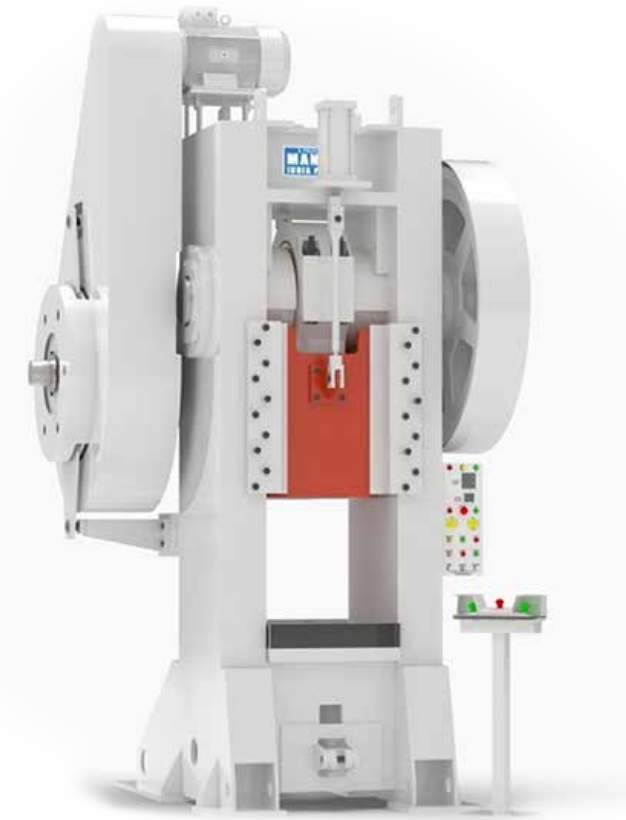
Technical Specification

Model		MILM-80	MILM1–110	MILM-160	MILM-200
Capacity	Ton	80	110	160	200
Rated Tonnage Point	mm	5	5	6	6
Strokes Length	mm	100	110	130	150
Strokes Per Minute	SPM	60	50	45	35
Rated Tonnage Point	mm	5	6	6	6
Die Height (S. D. A.U.)	mm	300	320	350	410
Slide Adjustment	mm	80	90	100	110
Bolster Area (LR x FB)	mm	650×520	720×580	800×680	900×800
Bolster Area (LR x FB)	mm	1000x 460	1150×520	1250×600	1400×680
Bolster Thickness	mm	100	120	150	170
Slide Area (LR X FB)	mm	560×460	650×520	700×580	850×650
Main Votor	HP	10	15	15	15
Slide Adjusting Motor	Kw	0.4	0.4	0.5	0.7

Die Cushion

Capacity	Ton	6.3	8	10	14
Pad Area	mm	410×260	500×300	540×350	640×470
Stroke	mm	70	80	80	100

Forging Presses



Unlike drop forging, which uses a series of blows, forging presses apply slow pressure to the workpiece. This results in uniform plastic deformation, or the shaping of the workpiece without breaking it. Forging presses can use hydraulic or mechanical force to apply pressure. Mechanical forging presses use a flywheel to store energy, which is then used to move a ram attached to a crank mechanism. These presses can apply up to 12,000 tons of pressure. The MIHF series is a forging presses driven by direct drive system that appropriate to produce various types of forging. High rigidity integral frame of a complete range of The MIHF series so that it shows intense power and minimizes elongation. The high precision slide and the 8-surface adjustable guide gib from front to back and side to side produces the high preciseness or the products.

Technical Specification

Model	Units	MIHF – 250	MIHF – 400	MIHF – 600	MIHF – 750	MIHF – 1000
Capacity	Ton	250	400	600	750	1000
Tonnage Rating Point	mm	5	5	5	5	5
Stroke Length	mm	150	160	170	190	220
Stroke Per Minute	S.P.M	60	50	40	35	28
Die Height(S.D.A.U)	mm	400	530	560	580	640
Adjustment Of RAM	mm	08	08	08	08	10
Bolster Area (LR X FB)	mm	600×700	600×700	670×780	850×900	900×1000
Slide Area (LR X FB)	mm	580×600	580×600	640×680	740×780	830×880
Side Window	mm	320×520	320×520	360×720	400×740	440×760
Lower Ejector (Table)	mm	2×40	2×40	2×40	2×40	2×50
Upper Ejector (Slide)	Ton x mm	1×20	1×20	1×20	1×20	1×25
Main Motor	Kw	18.5	30	37	45	55
Air Pressure	Kg/Cm2	4-5	4-5	4-5	4-5	4-5
Slide Adjustment Motorised	Kw	0.75	0.75	0.75	0.75	1.50

Shearing Machine

A shearing machine is a machine that cuts or shears material, most commonly sheet metal, by passing it between two opposing blades. We offer Mechanical Over Crank Shearing Machine. The over crank design offers larger capacity machines.

An over crank shearing machine is a type of mechanical shearing machine that uses a crank mechanism to power the cutting blades. The over crank shearing machine provides a smooth and consistent cutting action, which is ideal for cutting relatively thin sheet metal. Over crank shearing machines are typically used for cutting sheet metal up to a thickness of 1/4 inch.

Technical Specification

Model	Cutting Cap. in M.S.Length X Thickness	Depth of Throat	Stroke Per Minute	Table Height	Table Width	Front Guage	Rear Guage	Motor HP/KW	Blade Length x Width x Thick	Length A	Breadth B	Height C
MI – 2	1525 x 6	80	30	770	450	500	750	7.5/5.6	1525 x 75 x 18	2500	1950	230
MI – 3	2030 x 6	80	30	770	450	600	750	10/7.7	2030 x 75 x 18	3000	1950	2300
MI – 4	2540 x 6	80	30	770	450	600	750	10/7.7	2540 x 75 x 18	3550	1950	2300
MI – 5	3125 x 6	80	30	770	450	600	750	15/11.2	3125 x 75 x 18	4150	1950	2400
MI – 6	1525 x 8	80	30	770	450	600	750	10/7.7	1525 x 75 x 18	2570	1950	2300
MI – 7	2030 x 8	80	25	800	450	600	750	12.5/9.7	2030 x 75 x 18	3150	1950	2500
MI – 8	2540 x 8	80	25	800	450	600	750	15/11.2	2540 x 75 x 18	3670	1950	2500
MI – 9	3125 x 8	80	25	800	450	600	750	20/15	3125 x 90 x 18	4250	1950	2600
MI – 10	2030 x 10	80	25	800	450	600	750	15/11.2	2030 x 90 x 18	3200	1950	2600
MI – 11	2540 x 10	80	25	800	450	600	750	20/15	2540 x 100 x 22	3700	1950	2600
MI – 12	3125 x 10	80	25	800	450	600	750	25/18.7	3125 x 100 x 22	4300	1950	2600
MI – 13	2030 x 13	80	25	800	450	600	750	20/15	2030 x 100 x 22	3250	1950	2600
MI – 14	2540 x 13	80	25	800	450	600	750	25/18.7	2540 x 100 x 22	3750	1950	2600
MI – 15	3125 x 13	80	25	800	450	600	750	30/22.5	3125 x 100 x 22	4350	1950	2600

Drop Forge Hammer

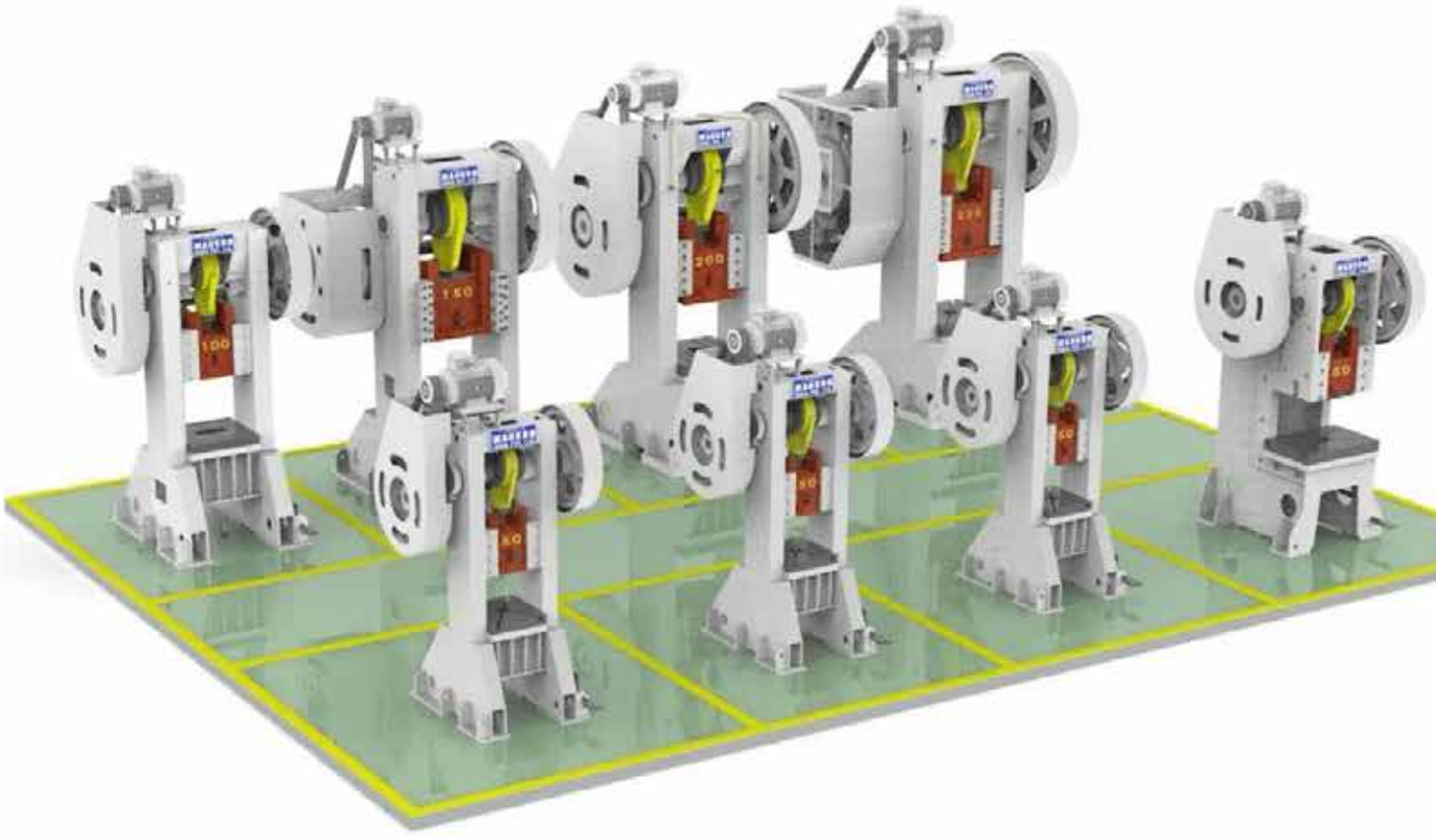
Friction Drop Hammer are most suitable for precision forging for automobile, railways, defence, aeronautics, hand tools, agricultural, bi-cycles and others engineering industries. These are basically designed to achieve better productivity, economy and longer durability.

Range : 500 Kgs to 3000 Kgs

Technical Specification

Size of Hammer	Kgs	500	750	1000	1500	2000	2500	3000	4000
Weight of Tup	Kgs	550	800	1200	1800	2000	2700	3200	4100
Space between Slides	mm In	508 20	560 22	635 25	711 28	800 31½	813 32	864 34	889 35
Maximum Stroke	mm Ft.In	1525 5'0"	1675 5'6"	1675 5'6"	1830 6'0"	1830 6'0"	1981 6'6"	2134 7'0"	2311 7'7"
Tup (Front to Back)	mm In	370 14½	410 16	455 18	533 21	597 23½	660 26	660 26	864 34
Total Height of Machine	mm Ft.In	5260 17-3	5740 18-10	6000 19-8	6450 21-2	6790 22-3	6865 22-6	7390 24-3	8839 29
Max. Wt.of the top die	Kgs Lbs	150 330	225 500	300 660	450 992	600 1322	750 1653	900 1984	1200 2645
Max. No. of Blows per minute	Short Stroke Full Stroke	135 90	120 80	100 70	75 50	75 50	55 35	55 30	45 25
Slide area (L-R x F-B)	mm	350 x 250	400 x 350	500 x 400	500 x 400	600 x 450	710 x 600	900 x 800	900 x 800
Approximate Gross Weight	M.Tons	21	27	30	48	56	68	78	102
Max. weight of job	kgs	1	2	3	10	20	35	50	75
Electric Motor	H.P	30	40	50	75	100	125	150	200

Greatness With Industry- Leading **Mechanical Press Machines**

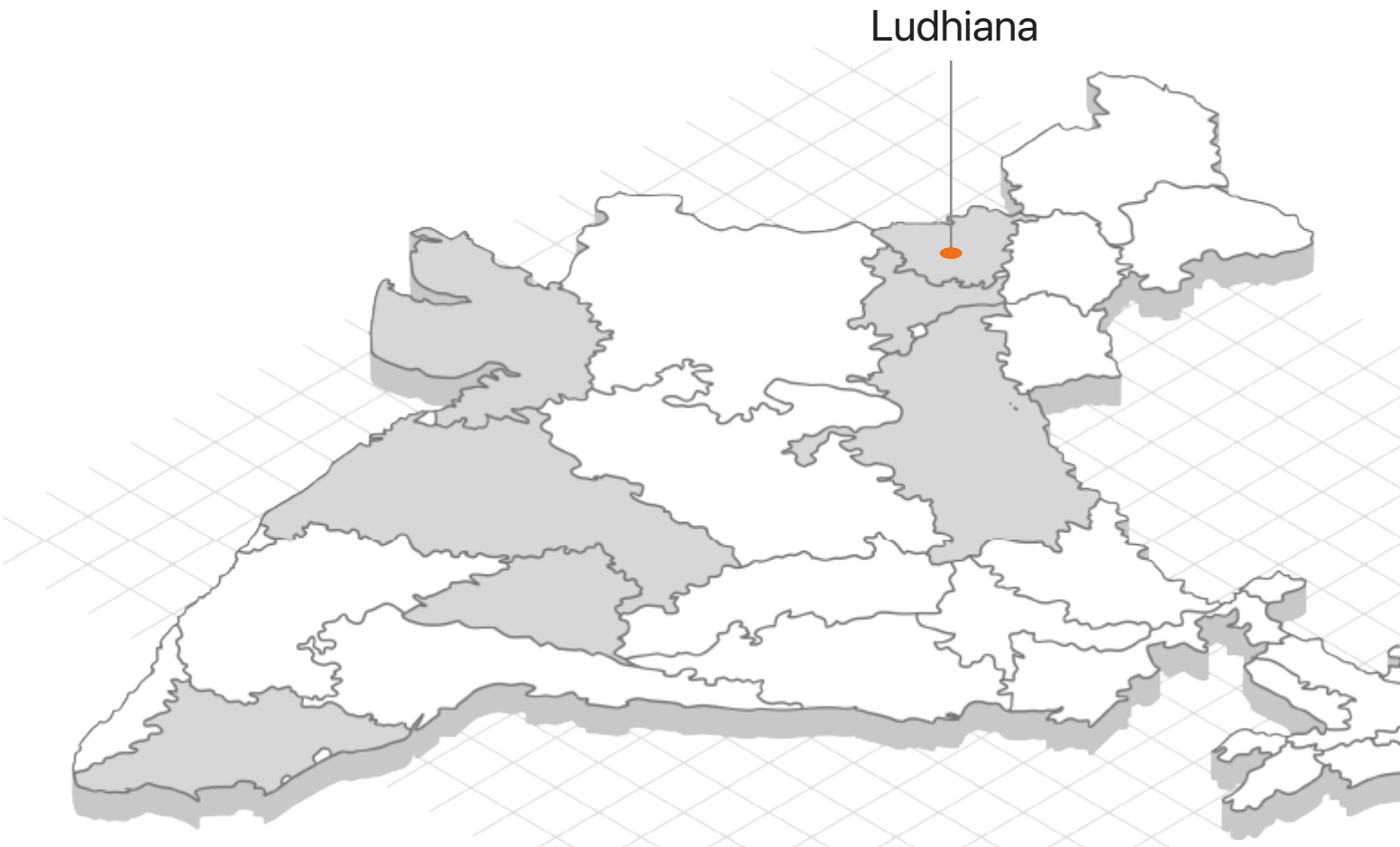


Manufacturing
Capabilities

The trust mark From Mankoo India

MANKOO (INDIA) PVT. LTD. has state-of-the-art infrastructure located at a major industrial area in Ludhiana Punjab.

The company is well-equipped with best-in-class facilities to undertake complete product development process right from designing to manufacturing.



W: mankoopresses.com
E: mankooindia@gmail.com
info@mankoopresses.com
P: (O) +91–161–2510948, 5022948, 9988802100

Mankoo India Pvt. Ltd
29 / 535, G.T. Road,
Opp. Dhandari Kalan Railway Station,
Ludhiana – 141010. Punjab. INDIA.