

DX1 & DX2 SERIES “D” FRAME MECHANICAL PRESSES

110-315 Metric Tons

Standard Features

- Fabricated steel frame with one-piece side frames to greatly reduce angular deflection
- Wet clutch/brake
- Hydraulic overload protection
- 6-point slide guiding
- Single gear reduction drive
- Powered die height adjustment w/ electronic readout
- Automatic lubrication
- PLC-based control with 10” color touch screen
 - 8 channel PLS
 - 8 input die protection
- Isolator mounts
- 1/7,000 mm frame deflection for more accurate parts and longer tooling life
- Built to JIS Class 1 accuracy standards

Customization

While one of our standard configuration presses may be perfectly suitable for your needs, that may not always be the case. In such instances, all MMC presses can be custom-engineered to meet a wide variety of your special production requirements. These are just some of the special features we can provide — even if a one-off!

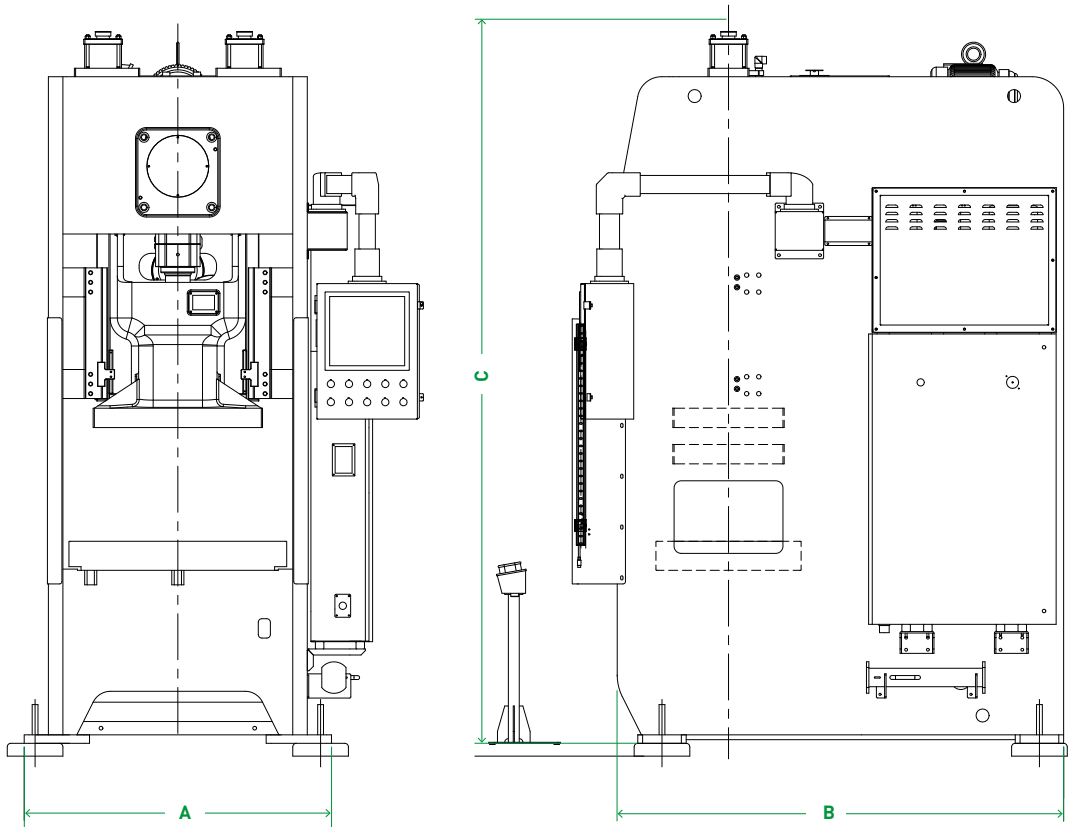
- 8-point slide guiding
- Non-geared (flywheel-type) drive for higher speed applications
- Recirculating oil lubrication
- Custom stroke and die height
- Custom high-energy drive for tough forming or drawing applications
- Custom slide and bolster dimensions
- Custom controls
- Custom die cushions



		DX1-110		DX1-160		DX1-200	
Press Type		L	S	L	S	L	S
Capacity in Tons		100 metric ton		160 metric ton		200 metric ton	
		121 US ton		176 US ton		220 US ton	
Torque Capacity from BDC	mm	5	3.2	6	3.2	6	4.5
	in	0.197	0.126	0.236	0.126	0.236	0.177
Approximate Press Weight	kg	11,500		17,000		25,000	
	lb	25,300		37,400		55,000	
Stroke Length	mm	180	70	200	80	200	90
	in	7.09	2.76	7.87	3.15	7.87	3.54
Speed Range at Full Tonnage	SPM	30-60	65-135	25-50	55-110	25-45	45-90
Area of Slide, R-L x F-B	mm	800 x 520		900 x 580		1,000 x 650	
	in	31.50 x 20.47		35.43 x 22.83		39.37 x 25.59	
Recommended Max Upper Die Weight	kg	550		550		900	
	lb	1,210		1,210		1,980	
Bolster Plate Thickness	mm	120		150		170	
	in	4.72		5.91		6.69	
Area of Bolster, R-L x F-B	mm	1,000 x 680	1,000 x 520	1,150 x 760	1,150 x 600	1,250 x 840	1,250 x 680
	in	39.37x26.77	39.37x20.47	45.28x29.92	45.28x23.62	49.21x33.07	49.21x26.77
Side Opening	mm	500		600		600	
	in	19.69		23.62		23.62	
Bed Deflection Across 67% of Die Area	mm	1/7,000		1/7,000		1/7,000	
	in	0.0015		0.0015		0.0015	
Shutheight Maximum (SDAU)	mm	350	300	400	350	450	400
	in	13.78	11.81	15.75	13.78	17.72	15.75
Shutheight Adjustment	mm	80		100		110	
	in	3.15		3.94		4.33	
Drive Motor	kW	7.5		11		15	18.5
	hp	10.1		14.7		20.1	24.8

SPECIFICATIONS & DIMENSIONS
DX1 Series

		DX1-250		DX1-315	
Press Type		L	S	L	S
Capacity in Tons		250 metric ton		315 metric ton	
		275 US ton		346.5 US ton	
Torque Capacity from BDC	mm	6.5	4.5	7	4.5
	in	0.256	0.177	0.276	0.177
Approximate Press Weight	kg	28,000		32,000	
	lb	61,600		70,400	
Stroke Length	mm	200	90	250	90
	in	7.87	3.54	9.84	3.54
Speed Range at Full Tonnage	SPM	20-40	40-80	20-40	45-75
Area of Slide, R-L x F-B	mm	1,000 x 700		1,000 x 700	
	in	39.37 x 27.56		39.37 x 27.56	
Recommended Max Upper Die Weight	kg	900		920	
	lb	1,980		2,024	
Bolster Plate Thickness	mm	180		180	
	in	7.09		7.09	
Area of Bolster, R-L x F-B	mm	1,250 x 840	1,250 x 680	1,250 x 840	1,250 x 680
	in	49.21 x 33.07	49.21 x 26.77	49.21 x 33.07	49.21 x 26.77
Side Opening	mm	770		770	
	in	30.31		30.31	
Bed Deflection Across 67% of Die Area	mm	1/7,000		1/7,000	
	in	0.0015		0.0015	
Shutheight Maximum (SDAU)	mm	450	400	450	400
	in	17.72	15.75	17.72	15.75
Shutheight Adjustment	mm	120		120	
	in	4.72		4.72	
Drive Motor	kW	15	18.5	18.5	22
	hp	20.1	24.8	24.8	29.5



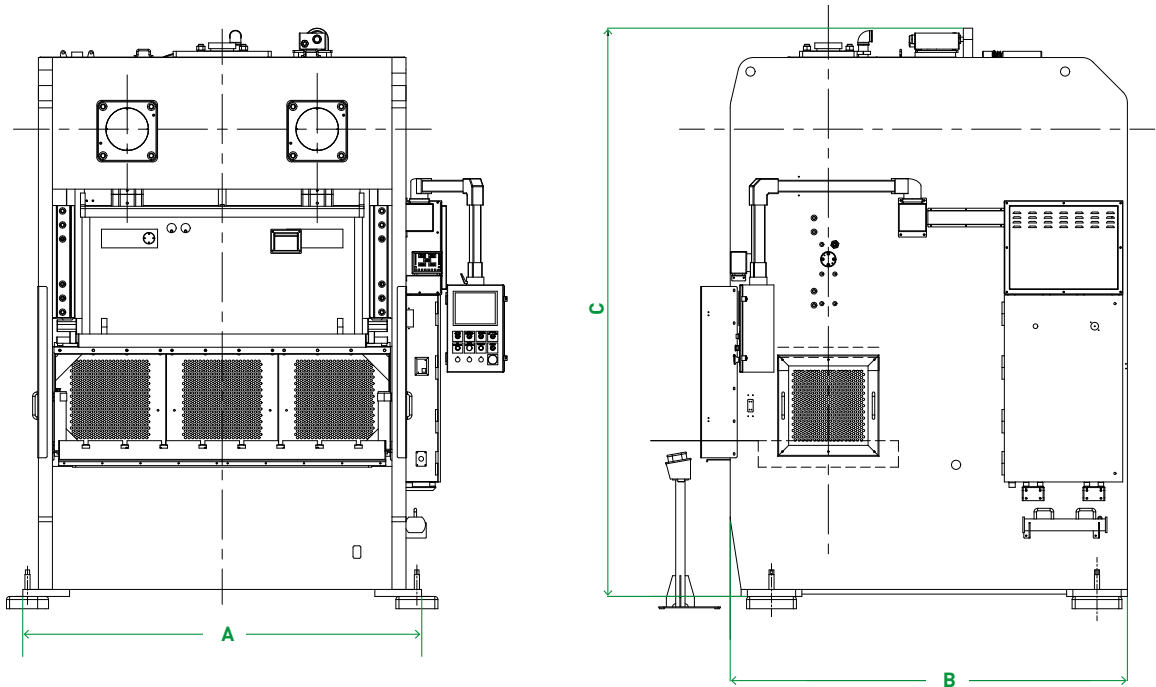
		DX1-110	DX1-160	DX1-200	DX1-250	DX1-315
		L	L	L	L	L
A	mm	1380	1600	1760	1790	1810
B	mm	2000	2210	2515	2990	2790
C	mm	3060	3495	4090	4200	4560

* Above specifications are subject to change when custom specifications apply.

SPECIFICATIONS & DIMENSIONS
DX2 Series

		DX2-110		DX2-160		DX2-200		DX2-250		DX2-315	
Press Type		L	S	L	S	L	S	L	S	L	S
Capacity in Tons		110 metric ton		160 metric ton		200 metric ton		250 metric ton		315 metric ton	
		121 US tons		176 US ton		220 US ton		275 US ton		346.5 US ton	
Torque Capacity from BDC	mm	5	3.2	6	3.2	6	3.2	7	4.5	7	4.5
	in	0.197	0.126	0.236	0.126	0.236	0.126	0.276	0.177	0.276	0.177
Approximate Press Weight	kg	16,000		21,000		29,500		37,500		46,500	
	lb	35,200		46,200		64,900		82,500		102,300	
Stroke Length	mm	180	110	200	130	250	150	280	170	280	170
	in	7.09	4.33	7.87	5.12	9.84	5.91	11.02	6.69	11.02	6.69
Speed Range at Full Tonnage	SPM	35-65	50-100	30-55	40-85	25-45	35-70	20-35	30-60	25-35	30-60
Area of Slide, R-L x F-B	mm	1,400 x 500		1,600 x 550		1,850 x 650		2,100 x 700		2,100 x 700	
	in	55.12 x 19.69		62.99 x 21.65		72.83 x 25.59		82.68 x 27.56		82.68 x 27.56	
Recommended Max Upper Die Weight	kg	450		1,000		1,200		1,600		1,800	
	lb	990		2,200		2,640		3,520		3,960	
Bolster Plate Thickness	mm	130		150		170		170		180	
	in	5.12		5.91		6.69		6.69		7.09	
Area of Bolster, R-L x F-B	mm	1,600 x 700		1,800 x 800		2,100 x 900		2,400 x 1,000		2,400 x1,000	
	in	62.99 x 27.56		70.87 x 31.50		82.68 x 35.43		94.49 x 39.37		94.49 x 39.37	
Side Opening	mm	450		500		600		650		650	
	in	17.72		19.69		23.62		25.59		259.59	
Bed Deflection Across 67% of Die Area	mm	1/7,000		1/7,000		1/7,000		1/7,000		1/7,000	
	in	0.0015		0.0015		0.0015		0.0015		0.0015	
Shutheight Maximum (SDAU)	mm	400	350	450	400	500	450	550	450	550	450
	in	15.75	13.78	17.72	15.75	19.69	17.72	21.65	17.72	21.65	17.72
Shutheight Adjustment	mm	100		100		120		120		120	
	in	3.94		3.94		4.72		4.72		4.72	
Drive Motor	kW	11		11		15		15		15	
	hp	15		15		20		20		20	

SPECIFICATIONS & DIMENSIONS
DX2 Series



		DX2-110	DX2-160	DX2-200	DX2-250	DX2-315
A	mm	2020	2370	2740	3000	3180
B	mm	1960	2230	2550	2850	2850
C	mm	2940	3270	3750	3750	4230

* Above specifications are subject to change when custom specifications apply.

SPECIFICATIONS & DIMENSIONS
SX2, SE2, SE4 Press Series

Standard Features

- Standard 1/8,000 mm deflection on bed and slide, 1/9,000 mm or less available
- Wet clutch and brake
- Hydraulic overload protection

Customization

- Link motion drive feature option available
- Moving bolsters exiting in front/rear or left/right available
- Pneumatic die cushions available
- Various automations for parts handling by industrial robots, de-stacker, 3-axis servo transfer, manipulations, palletizers/racking system available
- **Specifications of the press can be customized per customer requirement**

SX2 Series, Straightside Tie Rod Frame, 2-Point
Crankshaft Drive Presses

	SX2 SERIES	
Capacity	400-1,200 metric ton	440 - 1,320 US ton
Rating Point	6-13 mm	0.23 - 0.50 in
Stroke Length	300-450 mm	12-18 in
Speed Range at Full Tonnage	10 - 60 SPM	
Dieheight (SDAU)	600 - 1,000 mm	23-40 in
Slide Adjustment	150 - 250 mm	6 - 10 in
Area of Slide / Bolster	2,500 x 1,300 - 5,500 x 1,550 mm	98 x 51 - 216 x 71 in