



PLUNGER GUIDED LINK MOTION PRESS

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Description

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.

Shock and vibration are highest while the punch is engaged with the material and lower die section. The reduced shock and vibration also reduce maintenance costs for issues related to guards shaking loose, press wiring connection failures, and press frame stress cracks.

Plunger Guide System Designed for high precision and less die wear. Thrust load from eccentric motion is absorbed by the plunger guide system. The plunger guide is the primary guiding force, preventing side load on the gibs. Together, the plunger guide and gib surface area of the MILM series ensures less tool wear and higher part accuracy.

- **Minimized Frame Gap Opening:** The highly rigid frame construction minimized the frame gap opening caused by elongation and deformation of the frame when the press is loaded. In addition, the thick bolster reduces its deflection. These features satisfy requirements for higher accuracy press works.
- **Eccentric Shaft:** MINK Series are equipped with eccentric shaft as main drive shaft. Eccentric shafts assure minimal shaft deflection compared to traditional crankshaft designs.
- **Pneumatic High Torque Clutch and Brake unit** with sintered multi-disc linings provides low noise, long life operation with minimal maintenance
- **Heavy Duty Slide Construction** A heavy duty slide is used for increased rigidity. A motorized slide adjustment with digital display is standard. The die height is displayed in metric units of 0.1 mm for precise slide adjustment. The slide is guided primarily by the plunger guide mechanism along with full-length, six point gibs. The precision of the plunger guide and gibbing is a true advantage with tooling, allowing tight tolerances between the punch and die.
- **Hydraulic Overload Safety:** A built-in hydraulic overload protection (OLP) system completely ensures press and tool safety during any overload situation. As soon as the load exceeds the set value, the OLP device will release the hydraulic pressure and at the same time stop.

Specifications For Link Motion Presses

SPECIFICATION				
Link Motion Presses				
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	60	50	45	35
Die Height (S. D. A.U.) mm	300	320	350	410
Slide Adjustment mm	80	90	100	110
Bolster Area (LR x FB) mm	1000x 460	1150x520	1250x600	1400x680
Bolster Thickness mm	100	120	150	170
Slide Area (LR X FB) mm	560x460	650x520	700x580	850x650
Main Votor	10	15	15	15
Slide Adjusting Motor Kw	0.4	0.4	0.5	0.7
DIE CUSHION DEVICE				
Capacity Ton	6.3	8	10	14
Pad Area mm	410x260	500x300	540x350	640x470
Stroke mm	70	80	80	100

