



Press Solutions Inc.

LP-300 Series

FOUR POINT STRAIGHT SIDE PRESS



A Reputation of Excellence

...A Commitment to Innovation

DESIGN *Features*

Slide Lift System

- › HYDRAULIC WITHDRAWAL
- › QUICK CHANGE TOOLING
- › STUCK ON BOTTOM RECOVERY
- › OVERLOAD PROTECTION

Stuck on Bottom Recovery

The hydraulic withdrawal system allows you to raise the slide independent of drive shaft position. This feature makes it *impossible to stick the press on bottom dead center.*

Hydraulic Withdrawal

The patented hydraulic withdrawal system will give you up to *8 inches of die separation* without affecting the shut height setting. This feature simplifies die inspection and tool maintenance.

Construction

- › HEAVY DUTY CAST FRAME
- › FLEXIBLE DESIGN FEATURES

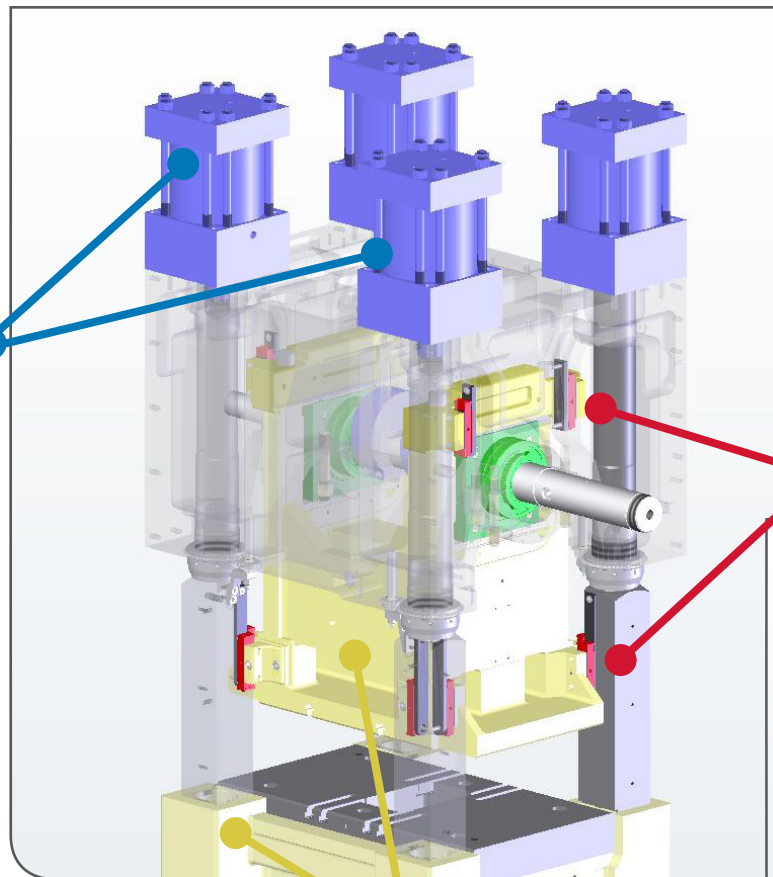
Guidance System

- › 12 POINT SYSTEM
- › ANTI-FRICTION ROLLER BEARINGS
- › ZERO CLEARANCE GIBS
- › LARGE EFFECTIVE BEARING AREA

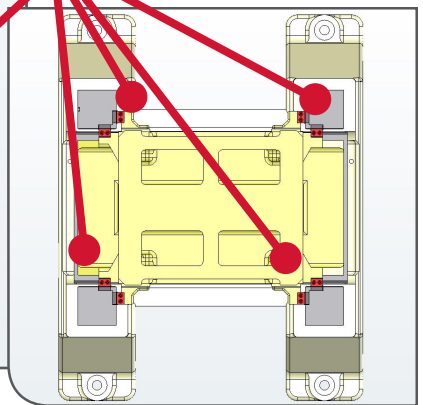
The LP Series incorporates a *12 point guidance system* on the slide.

All gibs use anti-friction roller bearings installed with *zero clearance.*

This gives the slide a very high degree of accuracy for higher quality parts and longer tool life.



TOP VIEW



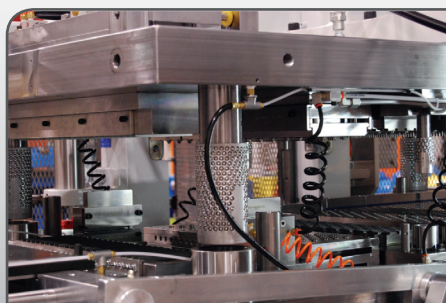
The cast iron crown, bed, and slide of the Oak LP-300 Series provides *superior vibration and noise dampening* compared to conventional steel frame presses. The process used to make our castings allows us to quickly and easily optimize slide and bed configurations to match the application.

HYDRAULIC WITHDRAWAL SYSTEM

Photos are of an Oak press with 1.50" working stroke.

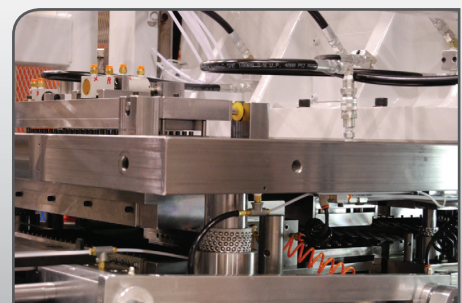
Maintenance
Position:

Hydraulic
Withdrawal
Raised



Operating
Position:

Hydraulic
Withdrawal
Lowered



PRESS Specifications



Imperial

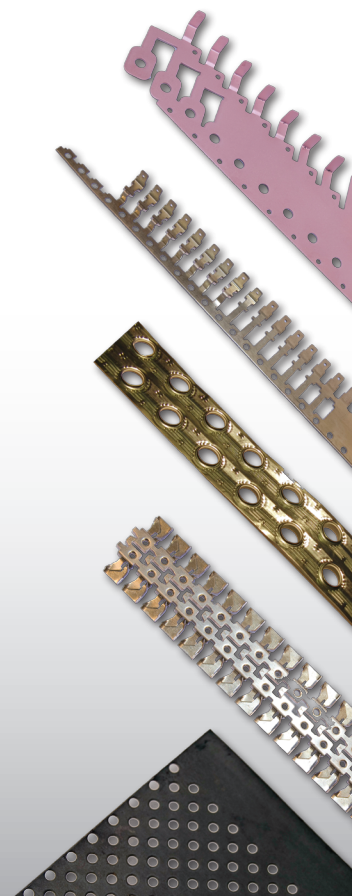
		LP-300-42	LP-300-48	LP-300-54	LP-300-60	LP-300-72
Capacity @ .063" off Bottom	tons	300	300	300	300	300
Tool Loading Area (between posts)	L-R in	42.50	48.50	54.50	60.50	72.50
Strip Inlet Width (between posts)	F-B in	37.00	37.00	37.00	37.00	37.00
Slide Area	L-R in	49.12	55.12	61.12	67.12	79.12
	F-B in	35.00	35.00	35.00	35.00	35.00
Bolster Area	L-R in	69.00	75.00	81.00	87.00	99.00
	F-B in	36.00	36.00	36.00	36.00	36.00
Shut Height	per customer specification					
Shut Height Adjustment	in	4.00	4.00	4.00	4.00	4.00
Slide lift (hydraulic withdrawal)	max. in	6.00	6.00	6.00	6.00	6.00
Stroke Length	max. in	3.00	3.00	3.00	3.00	3.00
Speed	min. spm	133	133	133	133	133
	max. spm	400	400	400	400	400
Bolster thickness	in	8.00	8.00	8.00	8.00	8.00
Distance: Floor to Top of Bolster	in	50.00	50.00	50.00	50.00	50.00
Opening in Bed **	L-R in	36.00	42.00	48.00	54.00	66.00
	F-B in	16.00	16.00	16.00	16.00	16.00
Floor Space at Feet	L-R in	70.50	76.50	82.50	88.50	100.50
	F-B in	88.00	88.00	88.00	88.00	88.00
Overall Height	in	176.00	176.00	176.00	176.00	176.00
Press Shipping Weight (est.)	lb	84,000	87,500	91,500	95,500	99,600
Main Drive Motor	hp	50.00	50.00	50.00	50.00	50.00

** custom bed openings available upon request.

Metric

		LP-300-42	LP-300-48	LP-300-54	LP-300-60	LP-300-72
Capacity @ 1.6mm off Bottom	kN	2667	2667	2667	2667	2667
Tool Loading Area (between posts)	L-R mm	1080	1232	1384	1537	1842
Strip Inlet Width (between posts)	F-B mm	940	940	940	940	940
Slide Area	L-R mm	1248	1400	1552	1705	2010
	F-B mm	889	889	889	889	889
Bolster Area	L-R mm	1753	1905	2057	2210	2515
	F-B mm	914	914	914	914	914
Shut Height	per customer specification					
Shut Height Adjustment	mm	102	102	102	102	102
Slide lift (hydraulic withdrawal)	max. mm	152	152	152	152	152
Stroke Length	max. mm	76	76	76	76	76
Speed	min. spm	133	133	133	133	133
	max. spm	400	400	400	400	400
Bolster thickness	mm	203	203	203	203	203
Distance: Floor to Top of Bolster	mm	1270	1270	1270	1270	1270
Opening in Bed **	L-R mm	914	1067	1219	1372	1676
	F-B mm	406	406	406	406	406
Floor Space at Feet	L-R mm	1791	1943	2096	2248	2553
	F-B mm	2235	2235	2235	2235	2235
Overall Height	mm	4470	4470	4470	4470	4470
Press Shipping Weight (est.)	kg	38,102	39,690	41,504	43,319	45,179
Main Drive Motor	kW	37	37	37	37	37

** custom bed openings available upon request.





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With customers in over 65 countries, you can count on Oak's
Quality, Experience & Support.