

LP-100 Series
TWO 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 hydraulic withdrawal system will give you up to *6 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

The cast iron crown, bed, and slide of the Oak LP-100 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.

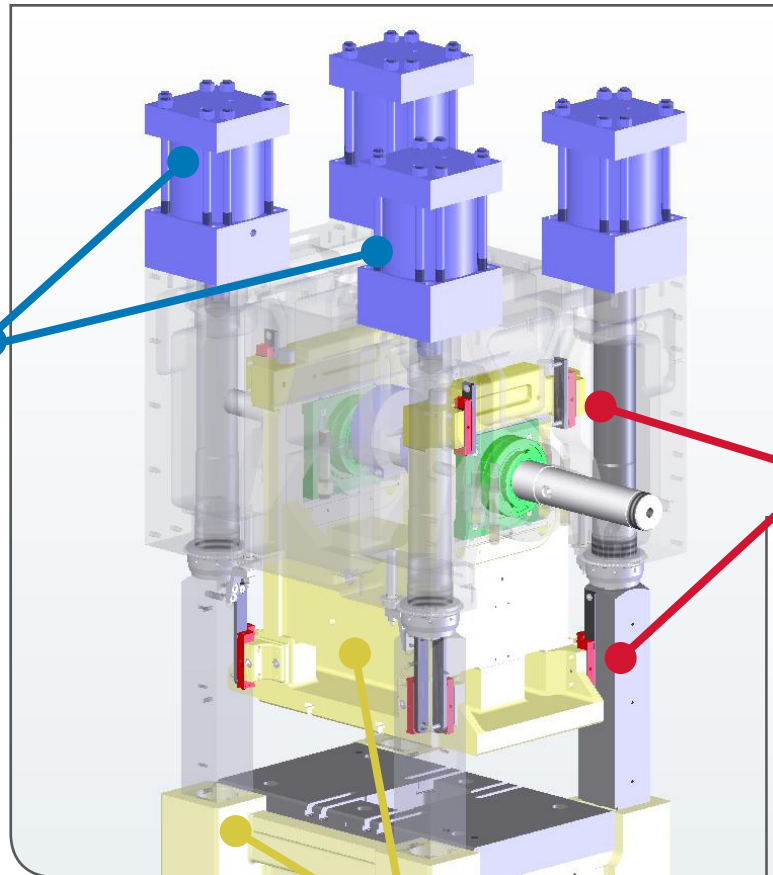
Guidance System

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

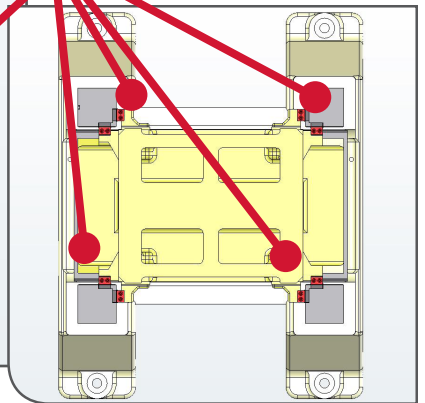
The LP Series incorporates a *12 point guidance system* on the slide.

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

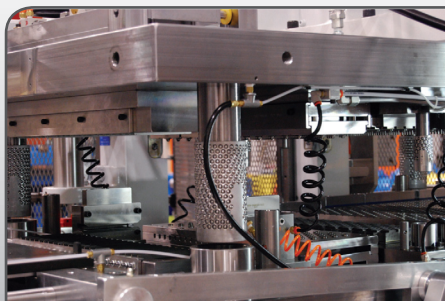


HYDRAULIC WITHDRAWAL SYSTEM

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-100-30	LP-100-36	LP-100-42	LP-100-48	LP-100-54	LP-100-60
Capacity @ .063" off Bottom	tons	100	100	100	100	100	100
Tool Loading Area (between posts)	L-R in	30.00	36.00	42.00	48.00	54.00	60.00
Strip Inlet Width (between posts)	F-B in	24.00	24.00	24.00	24.00	24.00	24.00
Slide Area	L-R in	42.00	48.00	54.00	60.00	66.00	72.00
	F-B in	22.50	22.50	22.50	22.50	22.50	22.50
Bolster Area	L-R in	45.00	51.00	57.00	63.00	69.00	75.00
	F-B in	22.50	22.50	22.50	22.50	22.50	22.50
Shut Height		per customer specification					
Shut Height Adjustment	in	4.00	4.00	4.00	4.00	4.00	4.00
Slide lift (hydraulic withdrawl)	max. in	5.00	5.00	5.00	5.00	5.00	5.00
Stroke Length	max. in	3.00	3.00	3.00	3.00	3.00	3.00
Speed	min. spm	133	133	133	133	133	133
	max. spm	400	400	400	400	400	400
Bolster thickness	in	5.00	5.00	5.00	5.00	5.00	5.00
Distance: Floor to Top of Bolster	in	42.00	42.00	42.00	42.00	42.00	42.00
Opening in Bed **	L-R in	25.50	31.50	37.50	43.50	47.50	53.50
	F-B in	13.00	13.00	13.00	13.00	13.00	13.00
Floor Space at Feet	L-R in	50.50	56.50	62.50	68.50	74.50	80.50
	F-B in	57.00	57.00	57.00	57.00	57.00	57.00
Overall Height	in	136.00	136.00	136.00	136.00	136.00	136.00
Press Shipping Weight (est.)	lb	23,700	24,200	26,700	28,200	30,000	32,000
Main Drive Motor	hp	25.00	25.00	25.00	25.00	25.00	25.00

** custom bed openings available upon request.

Metric

		LP-100-30	LP-100-36	LP-100-42	LP-100-48	LP-100-54	LP-100-60
Capacity @ 1.6mm off Bottom	kN	889	889	889	889	889	889
Tool Loading Area (between posts)	L-R mm	762	914	1067	1219	1372	1524
Strip Inlet Width (between posts)	F-B mm	610	610	610	610	610	610
Slide Area	L-R mm	1067	1219	1372	1524	1676	1829
	F-B mm	572	572	572	572	572	572
Bolster Area	L-R mm	1143	1295	1448	1600	1753	1905
	F-B mm	572	572	572	572	572	572
Shut Height		per customer specification					
Shut Height Adjustment	mm	102	102	102	102	102	102
Slide lift (hydraulic withdrawl)	max. mm	127	127	127	127	127	127
Stroke Length	max. mm	76	76	76	76	76	76
Speed	min. spm	133	133	133	133	133	133
	max. spm	400	400	400	400	400	400
Bolster thickness	mm	127	127	127	127	127	127
Distance: Floor to Top of Bolster	mm	1067	1067	1067	1067	1067	1067
Opening in Bed **	L-R mm	648	800	953	1105	1207	1359
	F-B mm	330	330	330	330	330	330
Floor Space at Feet	L-R mm	1283	1435	1588	1740	1892	2045
	F-B mm	1448	1448	1448	1448	1448	1448
Overall Height	mm	3454	3454	3454	3454	3454	3454
Press Shipping Weight (est.)	kg	10,750	10,977	12,111	12,792	13,608	14,515
Main Drive Motor	kW	19	19	19	19	19	19

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