

LP-30/60 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-30/60 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.

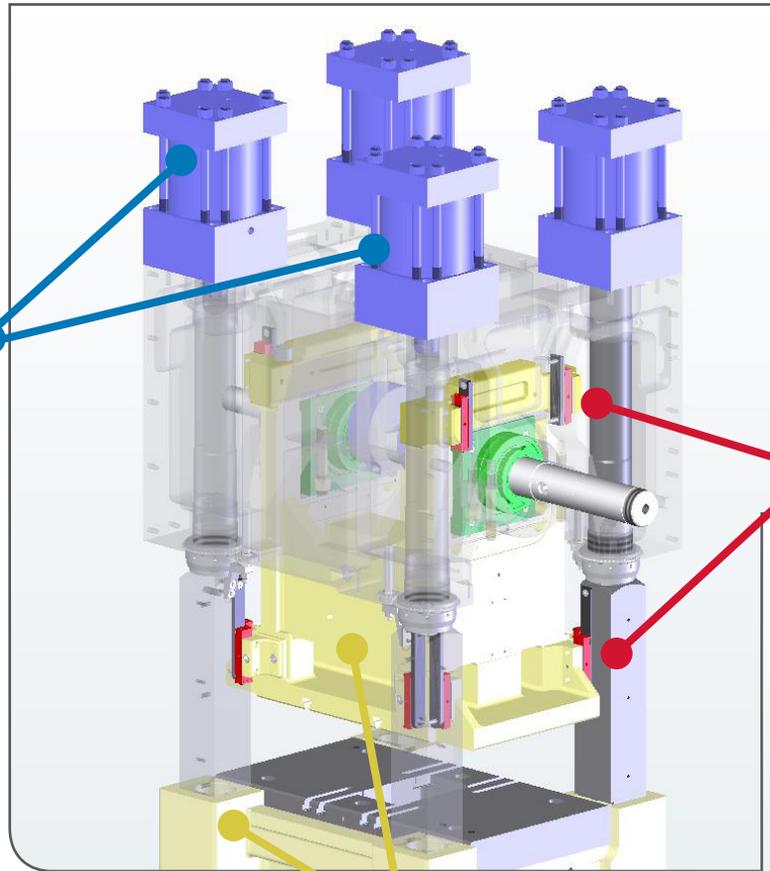
Guidance System

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

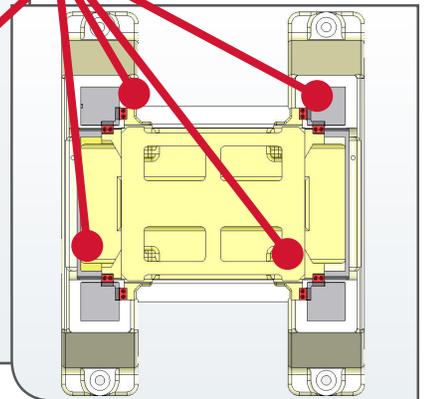
The LP Series incorporates a **12 point guidance system** on the slide.

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-30-24	LP-30-30	LP-60-24	LP-60-30	LP-60-36	LP-60-42	LP-60-48
Capacity @ .063" off Bottom *	tons	30	30	60	60	60	60	60
Tool Loading Area (between posts)	L-R in	24.50	30.50	24.50	30.50	36.50	42.50	48.50
Strip Inlet Width (between posts)	F-B in	16.50	16.50	20.50	20.50	20.50	20.50	20.50
Slide Area	L-R in	28.50	34.50	34.50	40.50	46.50	52.50	58.50
	F-B in	15.50	15.50	19.62	19.62	19.62	19.62	19.62
Bolster Area	L-R in	34.00	40.00	35.50	41.50	47.50	53.50	59.50
	F-B in	15.50	15.50	19.50	19.50	19.50	19.50	19.50
Shut Height		per customer specification						
Shut Height Adjustment	in	2.00	2.00	3.00	3.00	3.00	3.00	3.00
Slide lift (hydraulic withdrawl)	max. in	3.00	3.00	4.00	4.00	4.00	4.00	4.00
Stroke Length	max. in	1.50	1.50	2.00	2.00	2.00	2.00	2.00
Speed	min. spm	133	133	133	133	133	133	133
	max. spm	500	400	400	400	400	400	400
Bolster thickness	in	3.00	3.00	4.00	4.00	4.00	4.00	4.00
Distance: Floor to Top of Bolster	in	35.00	35.00	40.00	40.00	40.00	40.00	40.00
Opening in Bed **	L-R in	20.00	26.00	19.00	25.00	31.00	37.00	43.00
	F-B in	6.00	6.00	8.00	8.00	8.00	8.00	8.00
Floor Space at Feet	L-R in	37.50	43.50	39.50	45.50	51.50	57.50	63.50
	F-B in	44.00	44.00	50.00	50.00	50.00	50.00	50.00
Overall Height	in	110.00	110.00	128.00	128.00	128.00	128.00	128.00
Press Shipping Weight (est.)	lb	10,500	11,000	16,500	17,800	19,300	20,800	22,000
Main Drive Motor	hp	10.00	10.00	15.00	15.00	15.00	15.00	15.00

* LP-30 tonnage rating at 0.031" off Bottom.
** custom bed openings available upon request.

Metric

		LP-30-24	LP-30-30	LP-60-24	LP-60-30	LP-60-36	LP-60-42	LP-60-48
Capacity @ 1.6mm off Bottom *	kN	267	267	533	533	533	533	533
Tool Loading Area (between posts)	L-R mm	622	775	622	775	927	1080	1232
Strip Inlet Width (between posts)	F-B mm	419	419	521	521	521	521	521
Slide Area	L-R mm	724	876	876	1029	1181	1334	1486
	F-B mm	394	394	498	498	498	498	498
Bolster Area	L-R mm	864	1016	902	1054	1207	1359	1511
	F-B mm	394	394	495	495	495	495	495
Shut Height		per customer specification						
Shut Height Adjustment	mm	51	51	76	76	76	76	76
Slide lift (hydraulic withdrawl)	max. mm	76	76	102	102	102	102	102
Stroke Length	max. mm	38	38	51	51	51	51	51
Speed	min. spm	133	133	133	133	133	133	133
	max. spm	500	400	400	400	400	400	400
Bolster thickness	mm	76	76	102	102	102	102	102
Distance: Floor to Top of Bolster	mm	889	889	1016	1016	1016	1016	1016
Opening in Bed **	L-R mm	508	660	483	635	787	940	1092
	F-B mm	152	152	203	203	203	203	203
Floor Space at Feet	L-R mm	953	1105	1003	1156	1308	1461	1613
	F-B mm	1118	1118	1270	1270	1270	1270	1270
Overall Height	mm	2794	2794	3251	3251	3251	3251	3251
Press Shipping Weight (est.)	kg	4,763	4,990	7,484	8,074	8,754	9,435	9,979
Main Drive Motor	kW	7	7	11	11	11	11	11

* LP-30 tonnage rating at 0.8mm off Bottom.
** custom bed openings available upon request.



Burr Oak Tool Inc.

405 W South Street
Sturgis, MI 49091 USA

Ph: (269) 651-9393

www.burroak.com
sales@burroak.com

Oak Eurasia s.r.o.

Logistický Park D5
Ostrov u Stříbra
34901 Stříbro, CZ

Ph: +420 374 694 387

www.oakeurasia.com
sales@oakeruasias.com



Oak India Pvt. Ltd.

C388 Second Floor
Sushant Lok - 1
Gurgaon 122009
INDIA

Ph: +91 124-407 8933

Press Solutions Inc.

Ph: (269) 651-8513

Fx: (269) 659-4625

504 Wade Street, Sturgis, MI 49091 USA

www.oakpresses.com

sales@oakpresses.com

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