



**Press Solutions Inc.**

## **SS Series**

TWO POINT  
STRAIGHT SIDE  
SUPER SPEED PRESS



*A Reputation of Excellence*

*...A Commitment to Innovation*

# DESIGN

## Features

### Slide Lift System

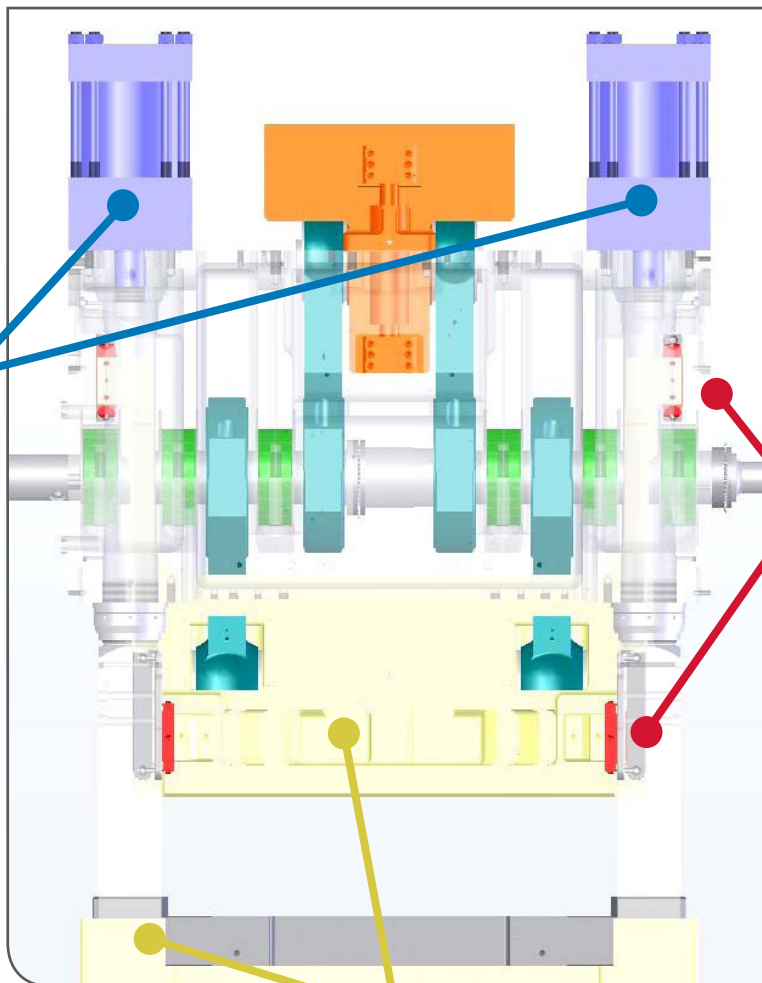
- HYDRAULIC WITHDRAWAL
- QUICK CHANGE TOOLING
- STUCK ON BOTTOM RECOVERY
- OVERLOAD PROTECTION

### 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 *5 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 SS 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 SS Series incorporates a *12 point guidance system* on the slide.

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

Gibs are located at extreme ends of the slide to provide maximum effective bearing area.

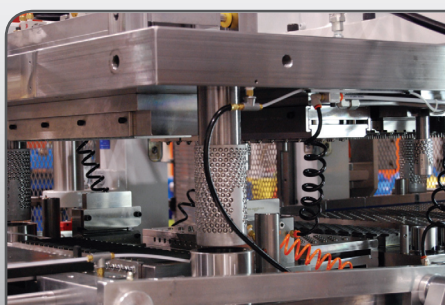
This gives the slide a very high degree of accuracy for higher quality parts and longer tool life.

### HYDRAULIC WITHDRAWAL SYSTEM

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

Maintenance Position:

Hydraulic Withdrawal Raised



Operating Position:

Hydraulic Withdrawal Lowered

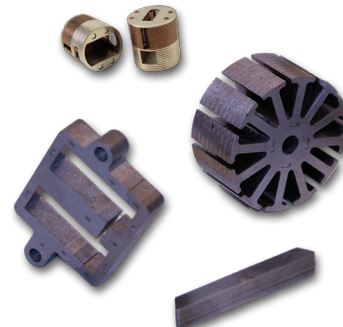


# PRESS Specifications



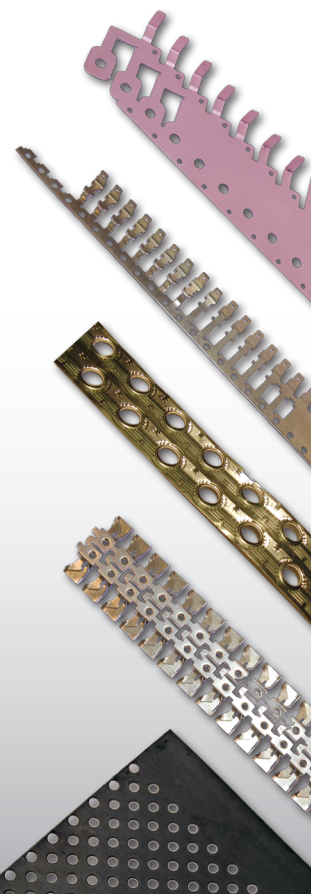
## Imperial

		SS-30-30	SS-30-36	SS-60-36	SS-60-42	SS-60-48
Capacity @ .063" off Bottom *	tons	30	30	60	60	60
Tool Loading Area (between posts)	L-R in	30.50	36.50	36.50	42.50	48.50
Strip Inlet Width (between posts)	F-B in	16.50	16.50	20.50	20.50	20.50
Slide Area	L-R in	34.50	40.50	46.50	52.50	58.50
	F-B in	15.50	15.50	19.62	19.62	19.62
Bolster Area	L-R in	40.00	46.50	47.50	53.50	59.50
	F-B in	15.50	15.50	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
Slide lift (hydraulic withdrawl)	max. in	3.00	3.00	3.00	3.00	3.00
Stroke Length	max. in	1.50	1.50	1.50	1.50	1.50
Speed	min. spm	300	300	300	300	300
	max. spm	1500	1200	1000	800	700
Bolster thickness	in	3.00	3.00	4.00	4.00	4.00
Distance: Floor to Top of Bolster	in	35.00	35.00	40.00	40.00	40.00
Opening in Bed **	L-R in	26.00	30.00	31.00	37.00	43.00
	F-B in	6.00	6.00	8.00	8.00	8.00
Floor Space at Feet	L-R in	43.50	49.50	51.50	57.50	63.50
	F-B in	44.00	44.00	50.00	50.00	50.00
Overall Height	in	102.00	102.00	137.00	137.00	137.00
Press Shipping Weight (est.)	lb	12,500	13,500	16,500	17,500	19,000
Main Drive Motor	hp	15.00	15.00	20.00	20.00	20.00
* SS-30 tonnage rating at 0.031" off Bottom.						
** custom bed openings available upon request.						



## Metric

		SS-30-30	SS-30-36	SS-60-36	SS-60-42	SS-60-48
Capacity @ .063" off Bottom *	kN	267	267	533	533	533
Tool Loading Area (between posts)	L-R mm	775	927	927	1080	1232
Strip Inlet Width (between posts)	F-B mm	419	419	521	521	521
Slide Area	L-R mm	876	1029	1181	1334	1486
	F-B mm	394	394	498	498	498
Bolster Area	L-R mm	1016	1181	1207	1359	1511
	F-B mm	394	394	495	495	495
Shut Height	per customer specification					
Shut Height Adjustment	mm	51	51	76	76	76
Slide lift (hydraulic withdrawl)	max. mm	76	76	76	76	76
Stroke Length	max. mm	38	38	38	38	38
Speed	min. spm	300	300	300	300	300
	max. spm	1500	1200	1000	800	700
Bolster thickness	mm	76	76	102	102	102
Distance: Floor to Top of Bolster	mm	889	889	1016	1016	1016
Opening in Bed **	L-R mm	660	762	787	940	1092
	F-B mm	152	152	203	203	203
Floor Space at Feet	L-R mm	1105	1257	1308	1461	1613
	F-B mm	1118	1118	1270	1270	1270
Overall Height	mm	2591	2591	3480	3480	3480
Press Shipping Weight (est.)	kg	5,670	6,124	7,484	7,938	8,618
Main Drive Motor	kW	11	11	15	15	15
* SS-30 tonnage rating at 0.8mm off Bottom.						
** custom bed openings available upon request.						







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*Quality, Experience & Support.*