



Press Solutions Inc.

PP-400 Series

SINGLE POINT PRESS



A Reputation of Excellence

...A Commitment to Innovation

DESIGN *Features*

Slide Lift System

- HYDRAULIC WITHDRAWAL
- STUCK ON BOTTOM RECOVERY
- OVERLOAD PROTECTION

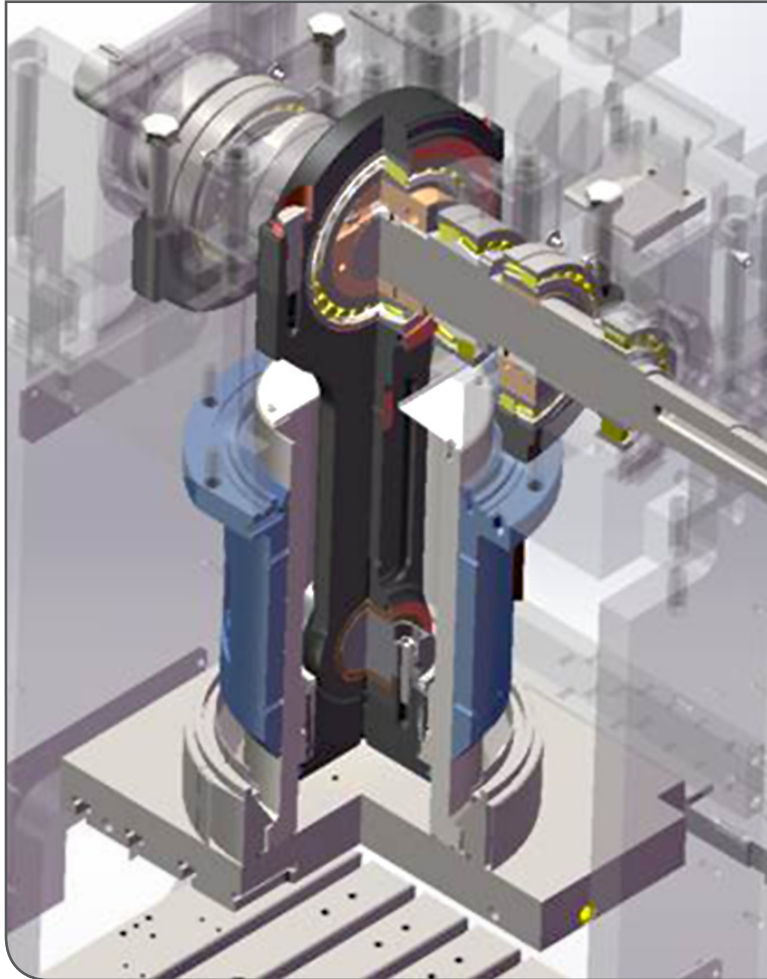
Stuck on Bottom Recovery

The hydraulic withdrawal system allows you to raise the slide independent of the 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 **6 inches of die separation** without affecting the shut height setting. This feature simplifies die inspection and tool maintenance.



Guidance System

- HYDROSTATIC SYSTEM
- 8 POINT SYSTEM
- 250 IN³ BEARING AREA

The PP-400 takes advantage of a *Hydrostatic guidance system* on the slide.

Variable-pressure “pads” on the front, back, left and right sides of the slide give the slide a *very high degree of accuracy and stiffness for higher quality parts and longer tool life.*

Construction

- HEAVY DUTY CAST FRAME

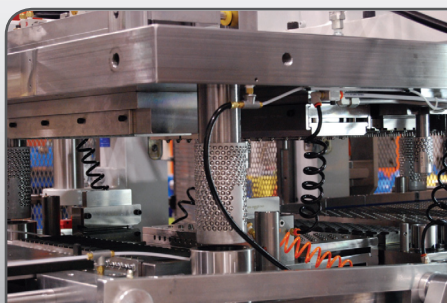
The cast iron of the Oak PP series provides *superior vibration and noise dampening* compared to conventional steel frame presses.

HYDRAULIC WITHDRAWAL SYSTEM

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

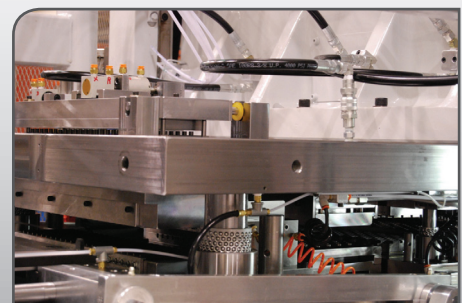
Maintenance
Position:

Hydraulic
Withdrawal
Raised

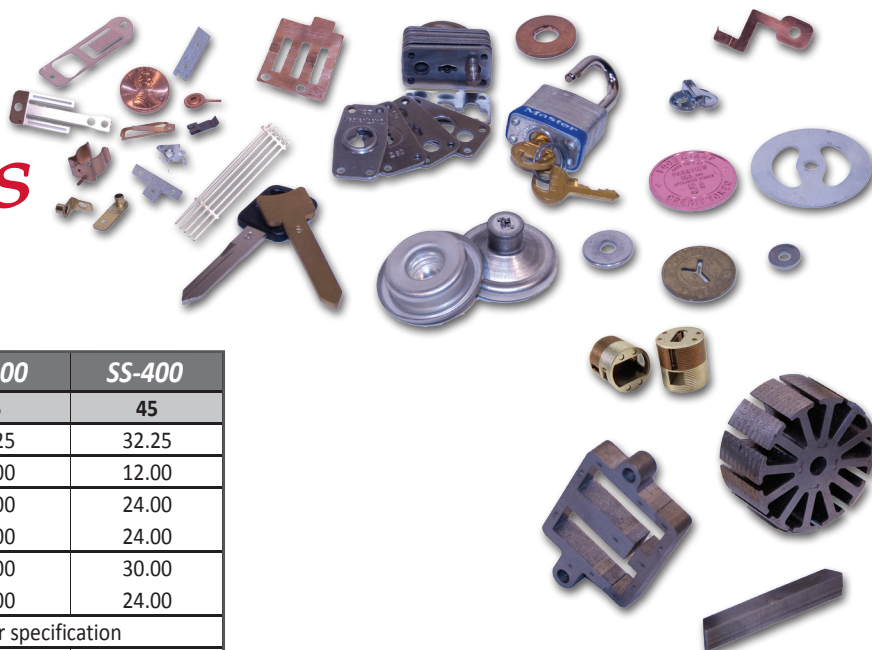


Operating
Position:

Hydraulic
Withdrawal
Lowered



PRESS Specifications

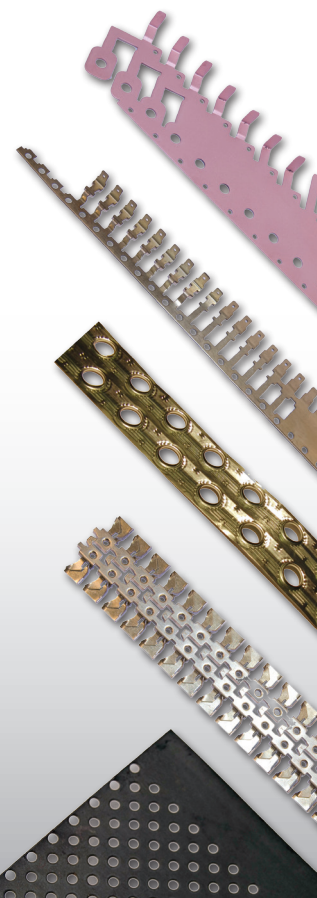


Imperial

| | | PP-400 | SS-400 |
|---|----------------------------|--------|--------|
| Capacity @ .063 off Bottom | tons | 45 | 45 |
| Tool Loading Area (between side plates) | L-R in | 32.25 | 32.25 |
| Strip Inlet Width (in windows) | F-B in | 12.00 | 12.00 |
| Slide Area | L-R in | 24.00 | 24.00 |
| | F-B in | 24.00 | 24.00 |
| Bolster Area | L-R in | 30.00 | 30.00 |
| | F-B in | 30.00 | 24.00 |
| Shut Height | per customer specification | | |
| Shut Height Adjustment | in | 2.00 | 2.00 |
| Slide lift (hydraulic withdrawal) | max. in | 3.00 | 3.00 |
| Stroke Length | max. in | 3.00 | 1.50 |
| Speed | min. spm | 133 | 133 |
| | max. spm | 300 | 1500 |
| Bolster Thickness | in | 3.00 | 3.00 |
| Distance: Floor to Top of Bolster | in | 35.38 | 35.38 |
| Opening in Bed | L-R in | 20.00 | 20.00 |
| | F-B in | 5.00 | 5.00 |
| Floor Space at Feet | L-R in | 36.25 | 36.25 |
| | F-B in | 36.00 | 36.00 |
| Overall Height | in | 110 | 110 |
| Pres Shipping Weight (est.) | lb | 11,000 | 11,000 |
| Main Drive Motor | hp | 5 | 5 |

Metric

| | | PP-400 | SS-400 |
|---|----------------------------|--------|--------|
| Capacity @ 1.6mm off Bottom | tons | 45 | 45 |
| Tool Loading Area (between side plates) | L-R mm | 819 | 819 |
| Strip Inlet Width (in windows) | F-B mm | 305 | 305 |
| Slide Area | L-R mm | 610 | 610 |
| | F-B mm | 610 | 610 |
| Bolster Area | L-R mm | 762 | 762 |
| | F-B mm | 762 | 610 |
| Shut Height | per customer specification | | |
| Shut Height Adjustment | mm | 51 | 51 |
| Slide lift (hydraulic withdrawal) | max. mm | 76 | 76 |
| Stroke Length | max. mm | 76 | 38 |
| Speed | min. spm | 133 | 133 |
| | max. spm | 300 | 1500 |
| Bolster Thickness | mm | 76 | 76 |
| Distance: Floor to Top of Bolster | mm | 899 | 899 |
| Opening in Bed | L-R mm | 508 | 508 |
| | F-B mm | 127 | 127 |
| Floor Space at Feet | L-R mm | 921 | 921 |
| | F-B mm | 914 | 914 |
| Overall Height | mm | 2794 | 2794 |
| Pres Shipping Weight (est.) | kg | 4,990 | 4,990 |
| Main Drive Motor | kW | 3.7 | 3.7 |





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