



PROGRESSIVE COLD-FORGING PRESSES

SPF2-220 • 330 • 440



Quality / Productivity / Safety

SPF2

SPF2-220 · 330 · 440

Progressive Cold-forging Presses

Features

Ultra rigid unitized straight side frame reduces total deflection to less than 0.039" (1mm)

Patented 9-linkage mechanism maintains a unique 44° stoppage of slide at B.D.C., allowing for precision cold forming (e.g. coining and sizing) processes.

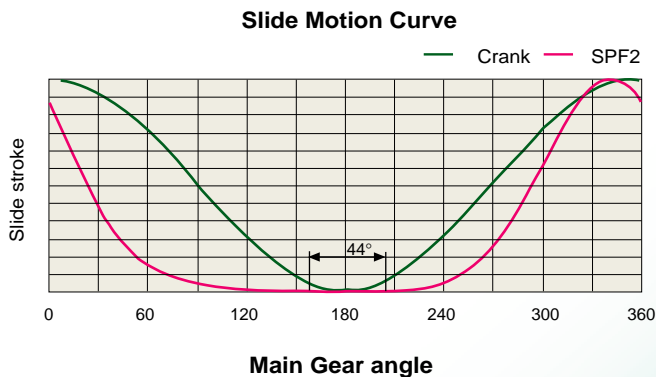
Improved knuckle drive mechanism that never reaches a fully perpendicular position and eliminates die sticking near B.D.C.

Very rigid cast slide and bed create a deflection of less than 0.00036".

Soft touch motion reduces impact noise and increases tooling life.

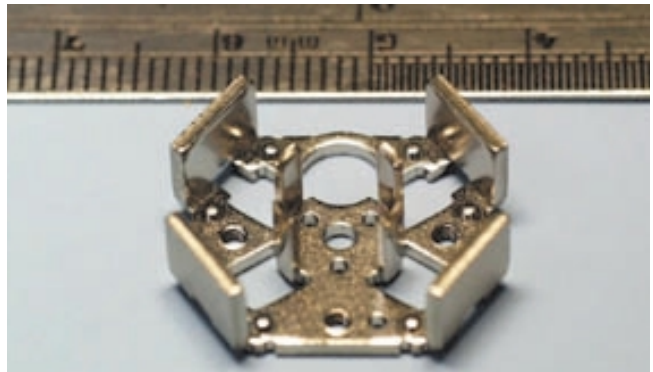
A very low release speed at the return cycle does not create a "vacuum" between tool & die, reducing slug problems.

Double massive plunger and post guides produce an accuracy greater than JIS Super Grade.



Net-Shape Innovative Parts

- Blanking, piercing, bending, coining, embossing, and sizing all in one progressive stroke.



Super Precision Products

- Maintains accuracy throughout the coining, shearing and re-striking processes by extending duration of slide stoppage at B.D.C.
- Minimizes material spring back.



Ready-to-Install Finished Parts

- Eliminates cost of secondary operations.



Specification

Model		SPF2-220	SPF2-330	SPF2-440
Capacity	US tons	220	330	440
Stroke Length	in	4.72	4.72	4.72
Stroke per Minute	spm	40-100	40-85	30-70
Tonnage Rating Point	in	0.20	0.26	0.26
Die Height	in	17.72	19.68	19.68
Slide Adjustment	in	1.96	1.96	1.96
Slide Area	1	47.24 x 23.62	59.06 x 27.56	59.06 x 31.49
	2	59.06 x 23.62	70.86 x 27.56	70.86 x 31.49
	3	-	-	82.68 x 31.49
Bolster Area	1	47.24 x 31.49	59.06 x 35.43	59.06 x 39.37
	2	59.06 x 31.49	70.86 x 35.43	70.86 x 39.37
	3	-	-	82.68 x 39.37
Bolster Thickness	in	7.09	7.87	7.87
Floor to Bolster Height	in	43.31	45.28	39.37
Maximum Upper Die Weight	lbs	2200	3300	3300
Main Motor	HP x P	40 x 4	50 x 4	60 x 4
Window Opening	in	27.56 x 15.75	31.49 x 15.75	35.43 x 15.75
Total Machine Height	in	157.48	177.17	196.85

Standard Attachments

1. Variable frequency drive
2. Flywheel brake and main motor
FWD/REV control
3. Combination wet clutch/brake
4. Motorized slide adjustment (0.01mm increments)
5. Automatic, recirculating lubrication system
6. Air counter balance system
7. PanelView touch screen monitor
8. OSHA, ANSI and CSA compliant dual PLC control system
9. 8 channels of die protection and PLS
10. 4 channel tonnage monitor with LED readout
11. Built in part and batch counters
12. Mis-feed detector
13. Air ejector and outlet
14. Floor mounted control console
15. Portable operator T-stand
16. Front interlocked safety door
17. Rear interlocked safety gate
18. Die area lighting
19. Maintenance tool kit
20. Isolation Mounts

Options

1. Quick Die Change System
2. Light Curtains
3. Custom Control Configurations



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