



SUTHERLAND PRESSES & FEEDS
MAIN SPECIFICATIONS AND DIMENSIONS

HSP
 High Speed Precision Power Gap Frame Press

Single Point Plunger Guided Precision Power Press

MODEL (Single Point Gap Frame)		HSP-25			HSP-35			HSP-50				HSP-60				HSP-80			
TYPE (stroke and speed)		1	2	3	1	2	3	1	2	3	4	1	2	3	4	1	2	3	4
Capacity U.S. Ton	Ton	25			35			50				60				80			
Rated Tonnage Point	ABDC	0.047"			0.047"			0.068"				0.068"				0.068"			
Plunger Drive Configuration	Plunger	Standard			Standard			Standard				Standard				Standard			
Link Slow Down @ BDC	N/A	N/A			N/A			N/A				N/A				N/A			
Stroke Length	Inch	0.788	0.985	1.182	0.788	0.985	1.182	0.788	0.985	1.182	1.575	0.788	0.985	1.182	1.575	0.985	1.182	1.575	1.969
Strokes Per Minute	SPM	200-1000	200-900	200-800	200-850	200-800	200-750	200-750	200-700	200-600	200-500	200-750	200-700	200-600	200-500	200-600	200-500	200-400	200-300
Die Height (SDAU)	Inch	8.47	8.35	8.27	9.46	9.34	9.26	10.05	9.97	9.85	9.65	10.24	10.17	10.05	9.85	14.29	14.17	13.98	13.78
Slide Adjustment	Inch	1.182			1.182			1.182				1.182				1.182			
Shank Knock Out Hole (DIA)	Inch	1.501			1.501			1.501				1.501				1.501			
Power Take Off Shaft (DIA)	Inch	2.364 x 3.743L			2.364 x 3.743L			2.364 x 3.743L				2.364 x 3.743L				2.364 x 3.743L			
Slide Area (LRxFB)	Inch	13.79 x 9.85			15.76 x 11.82			19.7 x 13.79				21.67 x 13.79				23.62 x 16.63			
Bolster Area (LRxFB)	Inch	23.64 x 13.00			27.58 x 14.972			31.52 x 17.73				35.46 x 19.7				39.37 x 23.62			
Bolster Thickness	Inch	3.152			3.546			3.94				4.334				5.512			
Hole of Bed (LRxFB)		12.60 x 5.90			14.184 x 7.092			18.124 x 7.88				19.685 x 7.88				21.259 x 9.842			
Hole of Bolster (LRxFB)		9.85 x 3.94			11.82 x 3.94			13.79 x 5.90				15.76 x 5.90				17.716 x 5.90			
Floor to Bolster	Inch	28.74			33.07			35.43				39.96				37.40			
Side Window Opening	Inch	N/A			N/A			N/A				N/A				N/A			
Height (overall)	Inch	82.68			93.31			102.56				110.04				116.14			
Width (lr)	Inch	38.78			48.82			54.33				59.06				61.61			
Depth (fb)	Inch	51.93			54.02			64.37				68.11				66.93			
Press Weight (net-aprox)	KGS	2850			3990			6100				7250				10550			
Slide Adjusting Motor HP	HP	Manual			Manual			.25 HP				.25 HP				.25 HP			
Main Motor (eddy current -VS)	HP	7.5HP			10HP			15HP				20HP				25HP			
Power Requirements	220/480	Dual Voltage			Dual Voltage			Dual Voltage				Dual Voltage				Dual Voltage			
Air Counter Balance Max	LBS																		
Air Pressure Required	PSI	80 PSI			80 PSI			80 PSI				80 PSI				80 PSI			

PRESS CONTROLS

WPC 2000	Control	Standard			Standard			Standard				Standard				Standard			
Smart Pac II in Rolling Console	Standard	Standard			Standard			Standard				Standard				Standard			
8 Programmable Cams	8 Cam	Standard			Standard			Standard				Standard				Standard			
Die Protection	Optional	Optional			Optional			Optional				Optional				Optional			
Tonnage Monitor	Optional	Optional			Optional			Optional				Optional				Optional			

STANDARD ON ALL PRESSES

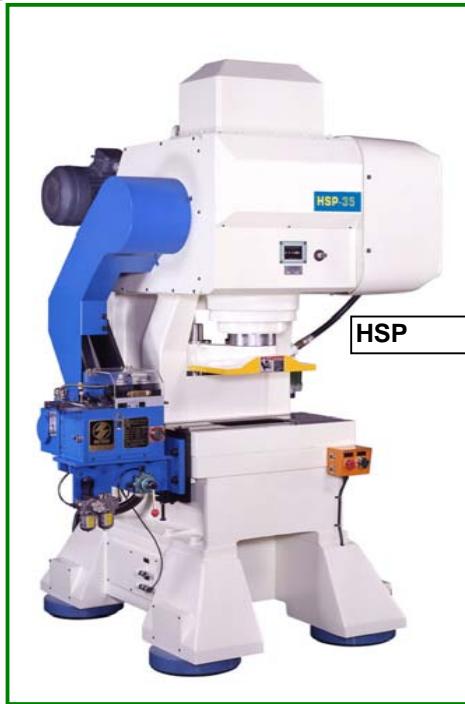
Start Up Assistance (1 day)		Q&A																	
JIS 1st Class Tolerances																			
Dynamic Balancing Device																			
Circulated Forced Lubrication System & Oil Cooler																			
Electronic Crank Angle Indicator																			



Hydraulic Slide Lock Device

ACCURATE, DURABLE, RELIABLE & EASY to SERVICE

HSP
High Speed Precision Power Press



HSP
Plunger type equipped with double post guides
High Precision and Efficiency
Hydraulic Slide Locking unit for operational stability.
Mechanical Die Height Indicator
Circulated Lubrication & Oil Cooler
Completely Enclosed Oil Circulation for Clean Part Production



ORTLINGHAUS CLUTH & BRAKE
406 Type with Ring Fetter Locking Device requires No Keyways on Drive Shaft or Clutch Hub. **ROSS** Dual EP Monitored Air Valve.



MAIN ELECTRICAL & AIR CENTER
Floor Mounted at right side of press frame. All Electrical components are TE-WINTRISS and in stock.
All Air components are ROSS and SMC and in stock.
All Documentation to US Standard and complete Bill of Material is provided with each HS SERIES HIGH SPEED STRAIGHT SIDE

Tier 2 SMART PAC II CONTROL
WINTRISS WPC-2000 + SMART PAC II Automation Controller, Clutch-Brake Control, Stroke Position Indicator, 8 Programable Cams, Resolver Based Motion Control, Variable Speed, Hydraulic Overload Release Switch

