



AIDA[®]

S1-E[™] SERIES

AIDA HEAVY STAMPING PRESS[™]



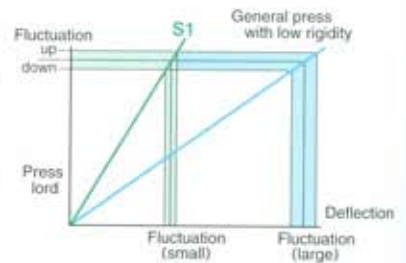
The S1-E Series press expands the range of high-accuracy, heavy stamping by achieving three important elements in the stamping of thick plate :

- Extends the die life
- Reduces vibration and noise
- Maintains high accuracy and high productivity



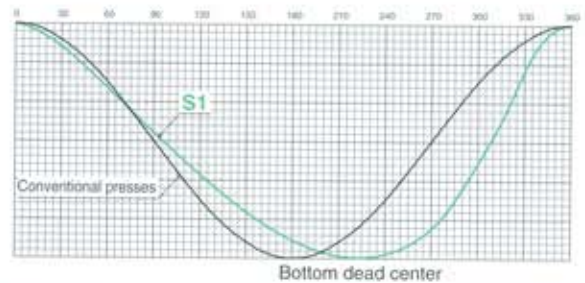
Improved Dynamic Accuracy

Long, eight(8)-point slide guides and highly rigid frame construction assures high dynamic accuracy, thus maintaining long die life.



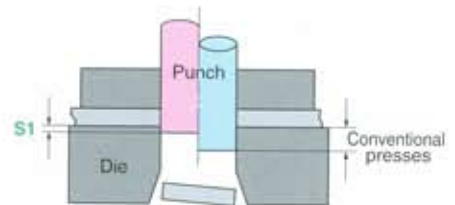
Unique Slide Motion

Special link motion mechanism provides optimum slide velocity which assures consistent product quality, and greatly reduces vibration and noise.



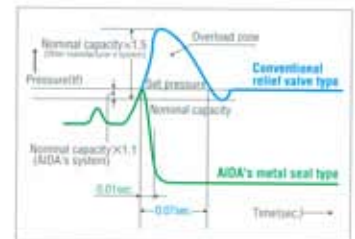
Minimized Breakthrough

Because of reduced clearance, the punch will not plunge into the die cavity as much as in conventional presses which results in quieter press performance, minimized vibration and extended die life.



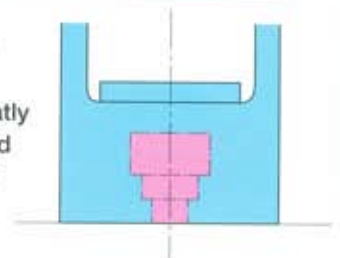
Hydraulic Overload Protector (H.O.L.P.)

The AIDA Hydraulic Overload Protector operates instantaneously to protect the die and the press should overloading occur.



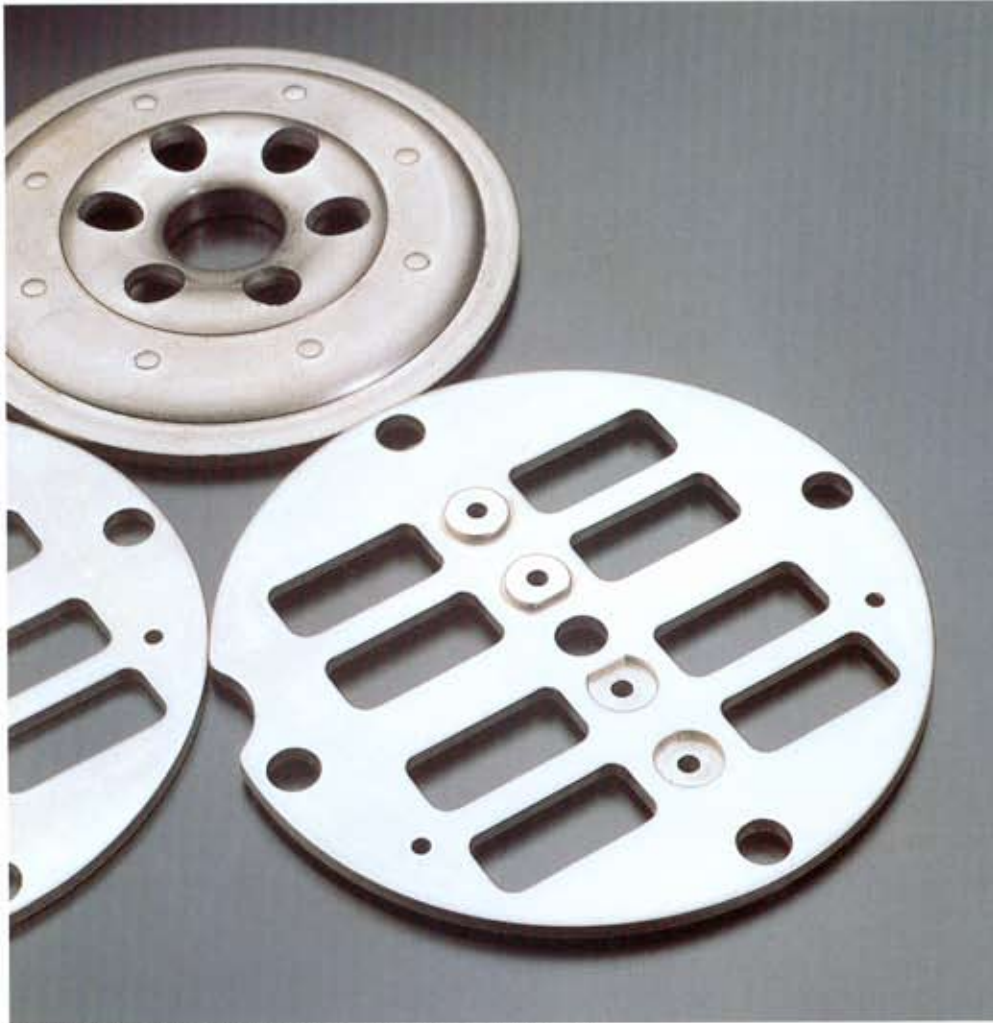
Floor Mounting

By incorporating the die cushion within the bed, the press pit becomes unnecessary. This can greatly reduce foundation costs and facilitate press room layout changes.



Further expanding the processing range...
AIDA HEAVY STAMPING PRESS™

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Up/End plate t:3.2mm (SPCH) Down/Valve plate t:2.0mm (SUS304)



Front shell t:2.0mm (SPHC)

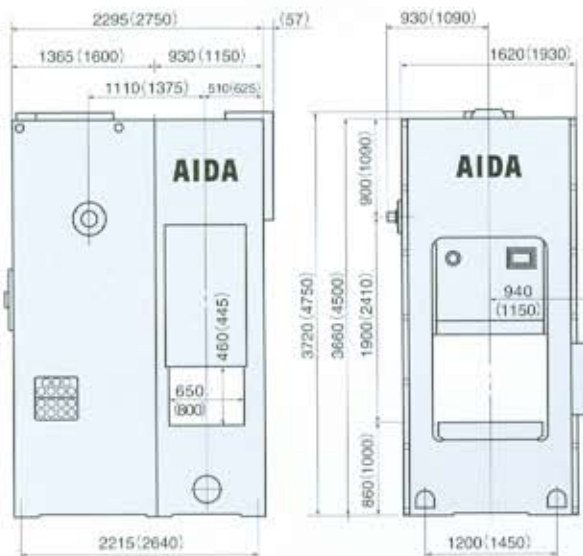


Clutch cover t:3.0mm (SPHE)



Ultra thick plate blanking t:10mm (SS41)

● Dimensions



* Figures in () denote dimensions of S1-5000E

● Main Specifications

Model Name	S1-3000E	S1-5000E
Capacity (kN)	3000	5000
Rated tonnage point above BDC (mm)	13	13
Stroke length (mm)	250	300
Number of strokes (spm)	Fixed(Standard)	35
	Variable(Optional)	15~40
Die height (mm)	570	650
Slide adjustment (mm)	120	120
Slide area (L.R.×F.B.) (mm)	1000×900	1200×1100
Bolster area (L.R.×F.B.) (mm)	1000×985	1200×1215
Bolster thickness (mm)	180	200
Main motor (fixed speed) (kW×p)	(VS.30) 22×4	(VS.45) 37×4
Required air pressure (MPa)	0.5	0.5
Slide knockout capacity (kN)	30 (at 0.5MPa air pressure)	50 (at 0.5MPa air pressure)
Slide knockout stroke (mm)	100	120
Die cushion capacity (kN) (Air pressure to be boosted to 0.8MPa by a compressor)	160 (at 0.5MPa air pressure)	260 (at 0.5MPa air pressure)
	250 (at 0.8MPa air pressure)	400 (at 0.8MPa air pressure)
Die cushion stroke length (mm)	110	130
Die cushion pad area (mm)	φ700	φ870

* The above specifications may be changed without prior notice.

ISO 9001



ISO 14001



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