AIDA

TOUGH & SMART

A Tough and Smart Press That Has Achieved 3 Evolutionary Elements

DSF-N2-4000A + Transfer Unit

Direct Servo Former

DSF-N2-4000A

As the number of formed products with complicated shapes grows, the number of press forming stages also tends to increase. AIDA has evolved the performance of this servo press not only to resolve the issue of having a press with sufficient capacity but insufficient die space but also to respond to the recent equipment requirements relating to automation, environmental friendliness, and preventive maintenance functions.

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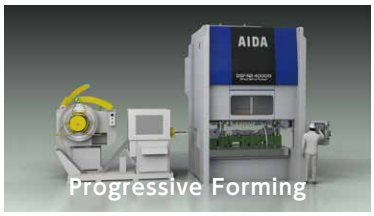
Three Major Evolutionary Elements

1. Basic Performance Evolution

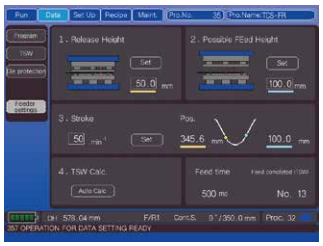


The newly designed unibody frame improves dynamic accuracy and rigidity. The symmetrical frame design improves dynamic accuracy that delivers almost uniform front/back and left/right frame elongation. This enables high-precision progressive and transfer forming.

The circular image of the crankshaft rotation enables the user to input settings by touching the screen. Press motion and timing switch settings can by means of intuitive operations.

2. Factory Automation Compatibility Evolution

Optimal settings are possible by integrating the press and automation equipment operation systems.



When paired with AIDA FA (factory automation) equipment, the pendulum stroke length of the press can be automatically calculated by merely inputting simple settings, such as feed conditions.

3. Intelligence Evolution

These presses can be equipped with a machine learning function (AI) to help prevent issues before they occur. (Available as an option)

Machine learning is used to ascertain the normal operation conditions of the press based on data collected from sensors, and 'abnormal conditions' are displayed numerically as 'anomalies.' Anomaly notifications can be set at 2 levels--a warning level and a fault level--by inputting threshold values.

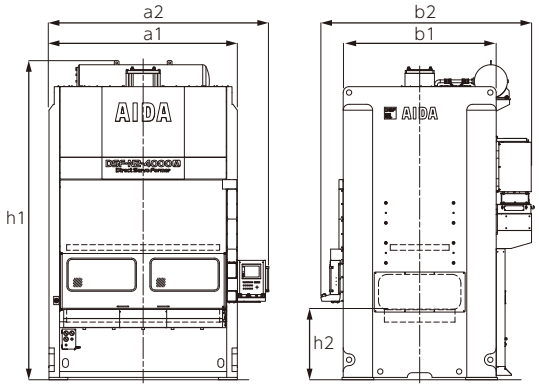
■ Primary Specifications

Model	(Unit)	DSF-N2-4000A
Capacity	(kN)	4000
Rated Tonnage Point	(mm)	5
Working Energy	(J)	50000/40min^{-1}
		38000/50min^{-1}
Stroke Length	(mm)	350
Continuous SPM (No Load)	(min^{-1})	1～50
Die Height	(mm)	650
Slide Adjustment	(mm)	120
Slide Area (LR x FB)	(mm)	2600×1000
Bolster Area (LR x FB)	(mm)	2600×1200
Bolster Thickness	(mm)	220
Side Opening (FB × H)	(mm)	1400×590
Max. Upper Die Weight	(kg)	2500
Main Motor (AC Servo) 2 x 120	(kW)	2×120
Power Source Capacity	(kVA)	104

Note: These specifications are subject to change without notice.

■ General Dimensions

Working Surface Height	h2	1200
Installation Dimensions	a1×b1	3200×2600
Maximum Dimensions	a2×b2	Approx.3740×Approx.3580
Total Height	h1	5425



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694-A-2306E