AIDA

DSF-N2

Direct Servo Former

AIDA ENGINEERING, LTD.

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677-A-2410E(D)

Equipped with an AIDA-Developed Dedicated Servo Motor

DSF-N2 Series

DSF Direct Servo Former

The Wide Range of Motions That Only a DSF Can Provide is Expanding the Scope of Metalforming

Springback-Control Motion

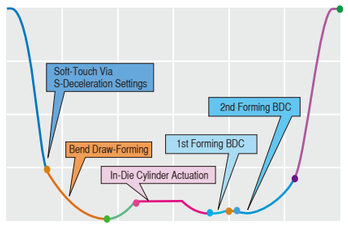
Using the press motion controls and dies designed to accommodate the press motion has enabled bending and draw-forming processes as well as forming processes that can be done using a single die in a single press.

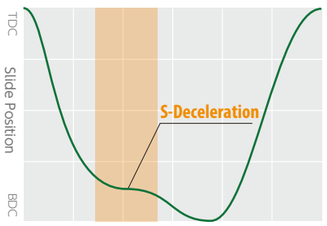
Easily Programmable "Soft Touch" Motions at Specific Positions

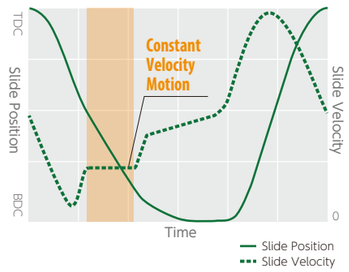
The combination of AIDA's unique S-deceleration and teaching functions enables 'soft-touch' motion settings.

Constant Velocity Motion within Specific Ranges

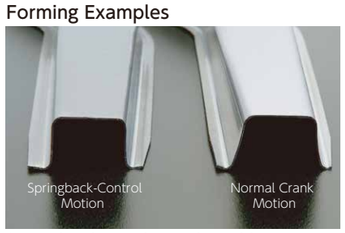
It is now possible to specify the forming zone and select a motion with constant velocity. This opens up an entire new range of metalforming.







Forming Examples



Springback can be reduced by means of the Bauschinger effect.

DSF-N2-3000
+ TCS Servo Transfer Unit

The Control System and Feature-Rich Standard Equipment Deliver High Productivity

Motion Settings Can be Easily Inputted

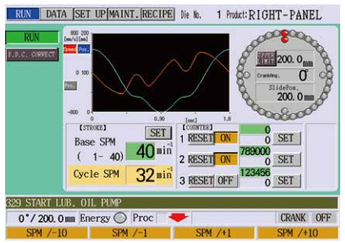
Equipped with a 10.4-inch color LCD screen. The Step Feed dial can be used to zero in on the forming start position, then the HMI's Teaching function can be used to save that position. You can also specify the ON and OFF timing of timing switches.

Operation Button Box with Manual Step Feed Controller

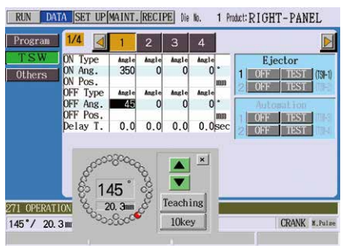
When making motion settings, you can inch the slide using the Step Feed controller to confirm the position where the die comes in contact with the material. You can also use the Step Feed controller to specify settings such as the forming stroke start position and the timing switch ON and OFF timing by using the HMI's 'Teaching' function.

Variable Set Point Device That Prevents Guidepost Disengagement

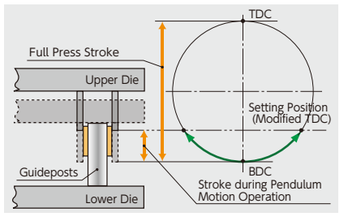
When stopping during pendulum motion operations, the slide does not return to the full-stroke top dead center position, and thus the die guideposts remain engaged. It is also possible to use a short stroke for one-strike forming.



The Run Monitor Screen



Provides one-touch retrieval of feeder equipment timing switch settings for pendulum motion operations.



DSF-N2-3000x6
Tandem Line