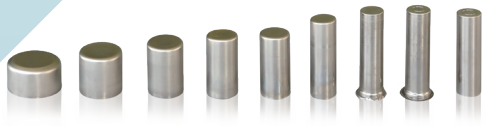
AIDA



A Straightside Press for High-Speed Deep-Draw Forming

DIS-1600



Introducing a High-Speed Deep-Draw Forming System

Solution 01

The Press

- High SPM
- Long Stroke
- High Energy
- An Optimized Bed Design for the Dies

We developed a dedicated machine that combines a high SPM with a long stroke. With a die area that accommodates 2 sets of deep-draw dies and an optimized bed design. It also delivers high energy to enable two-row forming.

Solution 02

The Dies

- Front and Back Two-Row Forming
- Equipped with a Cam Mechanism for the Transfer
- High-Accuracy Deep-Draw Forming of Thin Sheets

Transfer dies capable of high-precision deep drawing are arranged in two rows in the front and back to achieve a production rate of 180 pieces/minute which is double the SPM setting. And material yields are also boosted approximately 5.3%. Other features include an upper die fall-prevention mechanism and a function to monitor the wear condition of the draw-forming punches (option).

Solution 03

The Transfer Feeder

- Fully Synchronized High-Speed Conveyance

The mechanical transfer feeder is fully synced with the press to enable high-speed conveyance. The advance and return motions are driven by a cam mechanism connected to the press crankshaft. The clamp/unclamp operation timing can be adjusted for each forming stage.

- Equipped with devices that comply with international safety standards to deliver high-level safety and reliability.
- Equipped with a high-efficiency IE3 motor as standard. An IE4 motor is also available.
- An operation panel with enhanced readability and operability.

Options

A camera system (for monitoring and facial recognition); the AiCARE Data Analytics System; a tablet connection.

DIS-1600 Primary Specifications

Tonnage Capacity	1600kN
Stroke Length	230mm
Continuous SPM (No Load)	40~90min^{-1}
Die Height	430mm
Slide Dimensions	1500 × 580mm
Bolster Area	1800 × 760mm

AIDA

AIDA ENGINEERING, LTD. www.aida.co.jp

[Corporate Headquarters] 2-10 Ohyama-cho, Midori Ward, Sagamihara City, Kanagawa Prefecture, 252-5181, Japan Phone : (81)-42-772-5231

[Sales Division] Tel : 042-772-5271 E-mail : ae-sales@aida.co.jp