

AIDA™ MAKING HISTORY WITH HIGH-SPEED PRESS

In 1956, AIDA introduced Japan's first 120 spm 200 tf high-speed press to the world. In 1957, a 125 tf high-speed automatic press was released, followed in 1958, by a 300 tf. In 1964, the PDA-L series, implementing a pre-loading guide, was announced and received excellent reviews. Then in 1976, the 1000 spm 80 tf A series, the results of continuous striving for higher speed, was completed. In 1986, a new model of lamination presses, HMX(1) and (2) series, specifically designed for stamping self-stacking laminations, were introduced to contribute toward enhancing the productivity of production of motor lamination. In 1994, AIDA's newly developed HMX-M series was introduced. Meeting the needs of the customers, AIDA continues to write the history of high-speed presses.

HMX-3000



HMX-2000

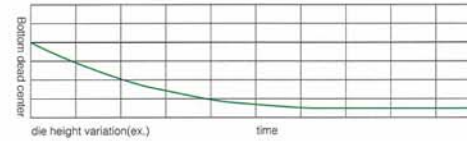


HMX-1250



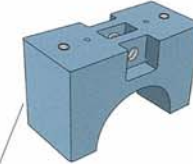
Frame Structure

- *High rigidity press frame maintains excellent dynamic accuracy.
- *Provides excellent guiding even with high off center loads.
- *JIS (Japan Industrial Standard) special grade, hydraulic lock, minimum total clearance.
- *Minimum bottom dead center change.



Dynamic Balancer

Equipped with a Dynamic Balance Unit to counterbalance the reciprocating motion of the slide and upper die. Minimizes vibration in conjunction with anti-vibration mounts under the press feet.



Slide Adjustment

Located in the slide front. Readout display shows in 0.01mm increments. Slide adjust motor is installed on the column to avoid vibration caused by slide movement.



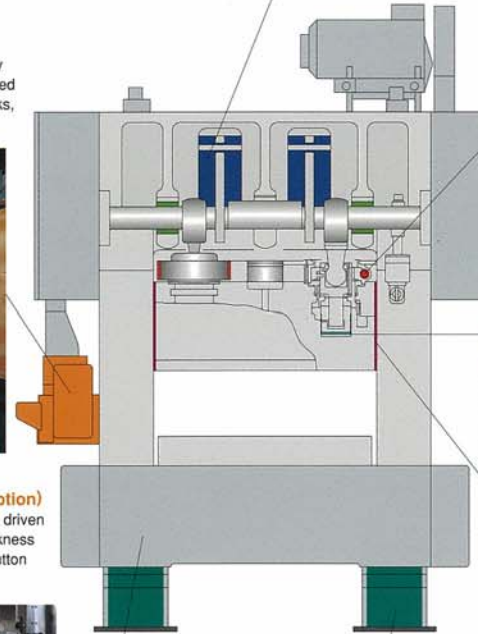
Roll Cam Feed (option)

Enable precise feed at high speed by special cam driven system. Since feed pitch can be altered by changing disks, no fine adjustment is necessary.



Sankyo™ Roll Gripper Feed (option)

Variax V series is a high-speed, cam driven roll feed. Feed Length, Material thickness and Grip force can be adjusted by button operation easily.



Hydraulic Stick Release Device / Slide Lock System

Releases die sticking on the bottom with simple push button. Eliminates clearance in the slide adjusting screws during operation.

Slide & Slide Guide

8-point pre-loaded guide with sufficient length, rigidity and accuracy reduces front-back and right-left slide movement to a minimum, contributing to longer die life.



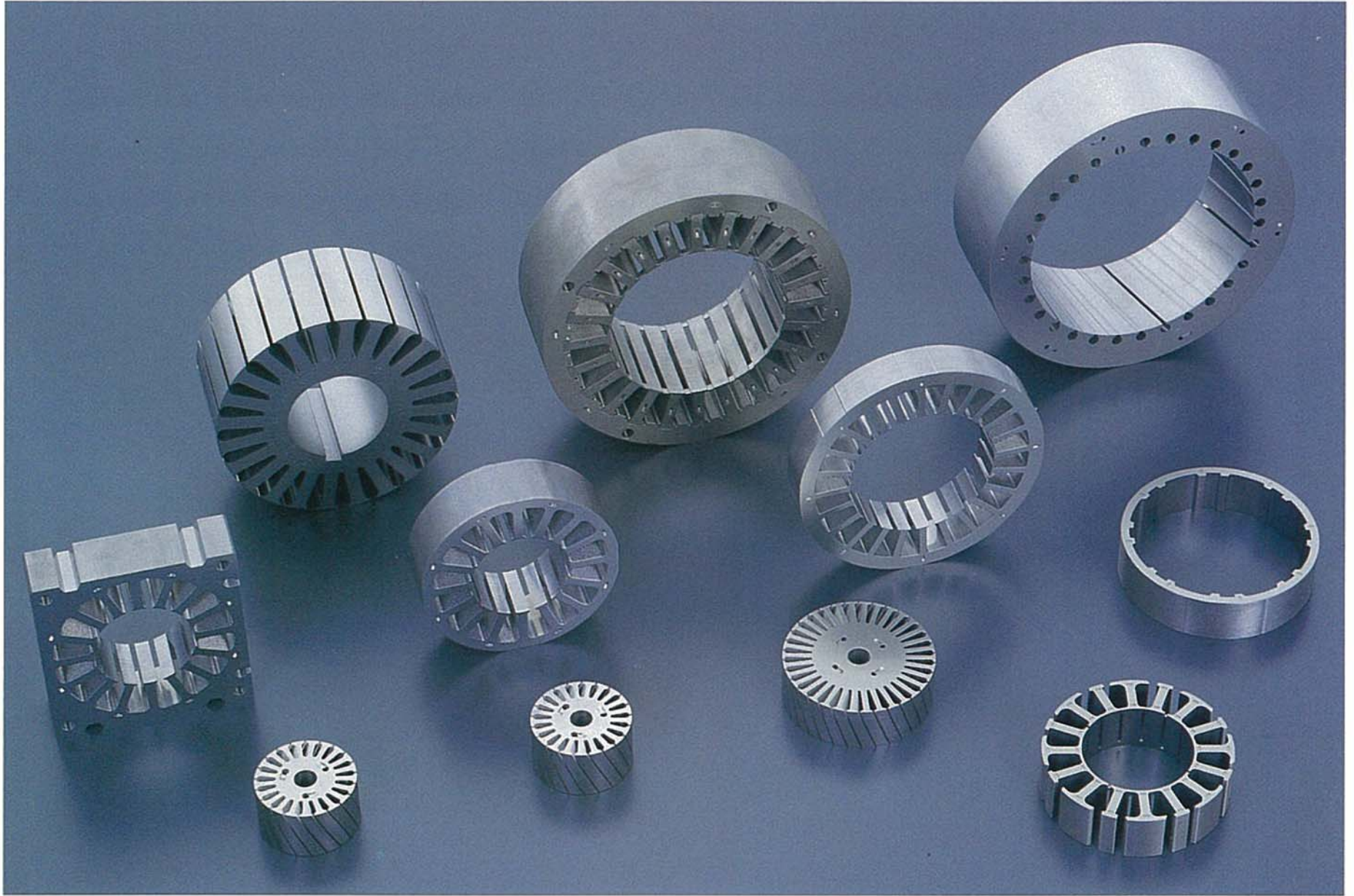
Anti-Vibration Mounts

Utilizes oil and spring effectively.



Oil Temperature Control / Oil Tank

The inner bed oil tanks supply oil to each lubrication point. The optimum oil temperature is maintained by an oil temperature controller, which enables minimum thermal deformation and improvement of BDC accuracy.


Operation Panel / Control Panel

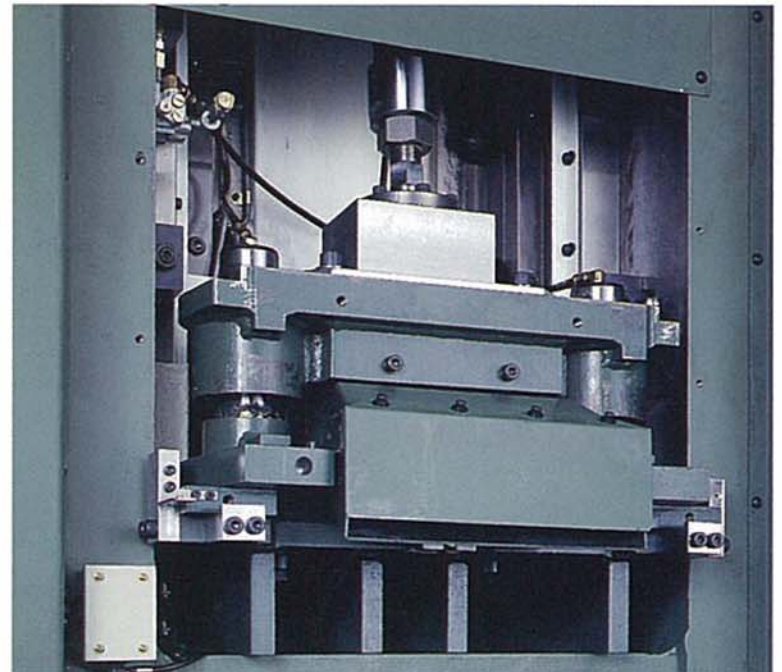
Has an easy-to-view layout and utilizes a display for interlock, providing easier operation.


Die Change System (option)

Die change time can be dramatically reduced.


Scrap Cutter (option)

Can be installed in need of scrap cutting.


Die Lifter / Pre-Roller (option)

Makes die changes easier.



AIDA AIMS FOR HIGH-PRECISION STAMPING

AIDA continues to do research and development that seeks to make improvements in dynamic accuracy which is the ultimate requirement of precision presses, thereby providing high precision metal stamping technology.

