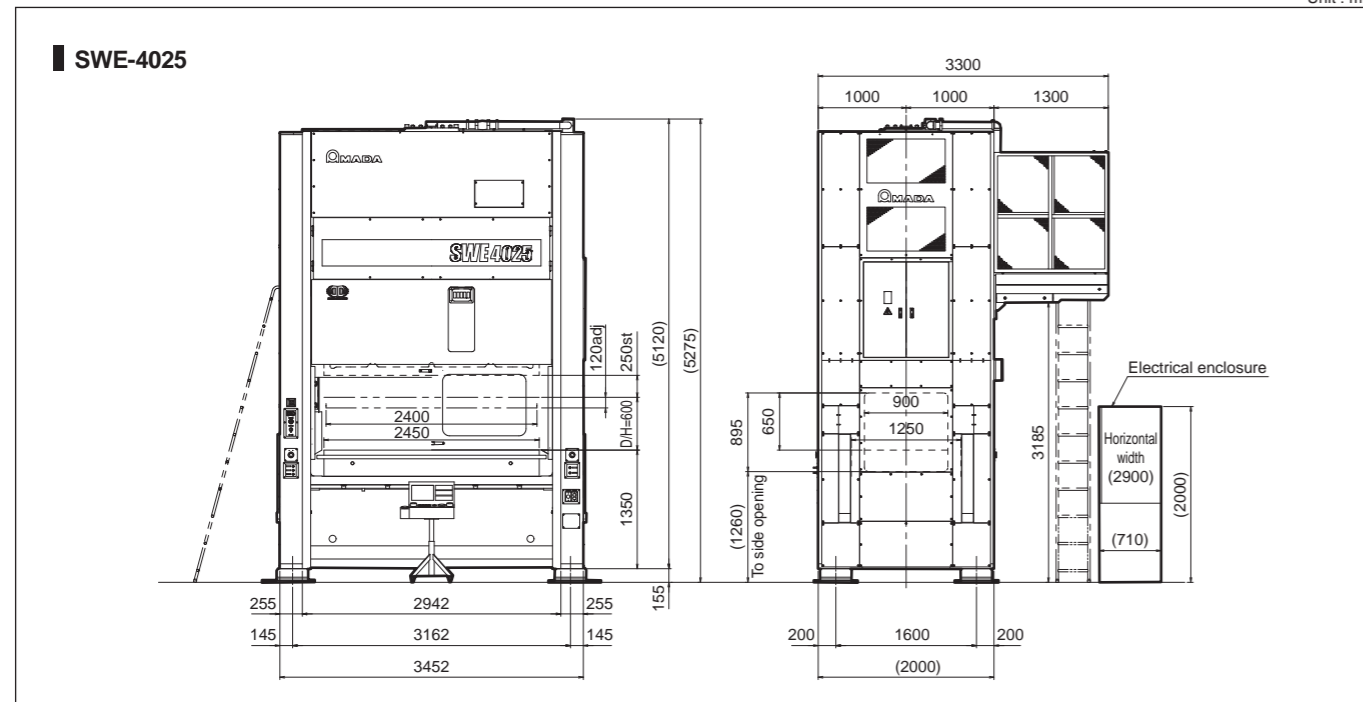


■Dimensions

Unit : mm



■Machine specifications

Model	SWE-4025	
Press capacity	kN	4000
Torque capacity rating point above BDC	mm	8.0
Continuous no-load stroke rate	min ⁻¹	Up to 45
Stroke length	mm	250
Die height	mm	600
Slide adjustment	mm	120
Slide face dimensions (LR x FB)	mm	2400x1150
Bolster dimensions (LR x FB x T)	mm	2450x1250x300
Working surface height	mm	1350
Main motor	kW	40x2

*The working surface height does not include that of the vibration isolation system.

■Standard accessories

- Large-size color LCD touch screen (Self-standing control box with integral touch screen)
- Die information for 100 dies
- Total counter x 2
- Preset counter x 2
- Position switch: Six spare switches
- Overload protector
- Air ejector x 2
- 100V power outlet x 2
- LED work light
- Manual openable front guard
- Side guard
- Light curtain system (front and rear)
- Ethernet

■Optional accessories

- Built-in load monitor
- Built-in error detector
- Automatic slide adjustment mechanism
- Automation compatible
- APINES (visualization software)
- Vibration isolation system
- Die lifter
- Automatic clamp

⚠ For Your Safe Use
Be sure to read the operator's manual carefully before use.

- Use of this product requires safeguard measures to suit your work.
- This servo press corresponds to the press machine specified in the Ordinance on Industrial Safety and Health. It is necessary to make application for machine installation and take any other measure required.
- Options are included in the photos.

*Specifications, appearance, and equipment are subject to change without notice for improvement and other purposes.
*The official model name of a machine and unit described in this catalog is SWE4025.
Use this registered model name when you contact the authorities for applying for installation, exporting, or financing.
The hyphenated spelling SWE-4025 is used in some portions of this catalog for sake of readability.
*The specifications described in this catalog are for the Japanese domestic market.

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E072-HQ02en

Sep. 2019

SOLUTION

AMADA DIGITAL INNOVATION
V-factory

SWE 4025

Digital electric two-point servo press

Press

成形曲げる
あける
研削
切る
付ける

The Engineering AMADA

AMADA
SWE 4025

AMADA

From high accuracy to **super-high accuracy**

A new addition to our popular line of digital electric servo presses

A new 4000kN press, called the SWE-4025, has added to our line of digital electric servo presses that have enjoyed popularity among our customers since their launch. Our original design with a twin-servo mechanism besides a sturdy straight side frame allows for stamping with ultra precision and high accuracy. Stamping press systems can be built to suit a variety of press shops.



Digital electric two-point servo press

SWE 4025

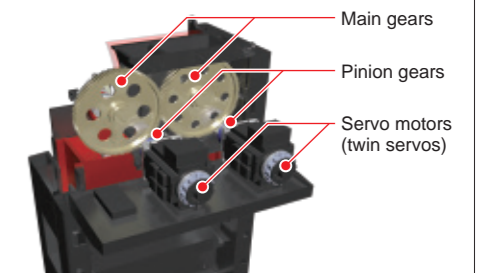
*Options are included in the photos.

SWE-4025 New technologies

1 Latest drive mechanism combining technologies

Twin-servo drive

The SWE-4025 is equipped with AMADA MACHINE TOOLS' unique twin-servo motors. The twin-servo motors breakthrough is the development of press capacity, torque capacity and work capacity for expanding the range of application. It is possible to increase productivity and to support value-added processing for a wide variety of your needs.

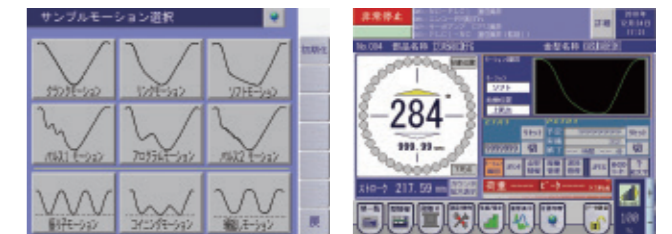


2 Variable patterns of motion for supporting valued-added processing

Unique control system

Variable patterns of motion with synchronized the two servo motors are installed. The control displays are integrated with those of the SDE series to pursue ease of use.

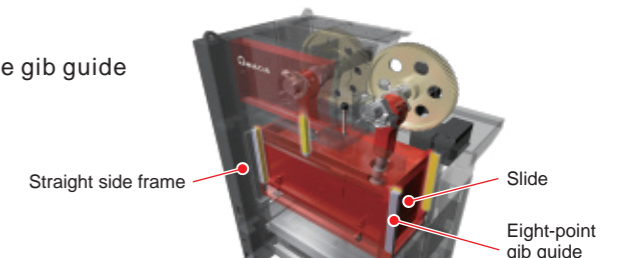
*Pulse motions 1 and 2 are optional.



3 Optimum frame structure for your requirements of accuracy

High-rigidity frame structure

A high-rigidity straight-side one-piece frame and an eight-face gib guide system are adopted to maintain stable accuracy during production.



4 Pursuit of productivity for stamping needs

Construction of an optimum production system

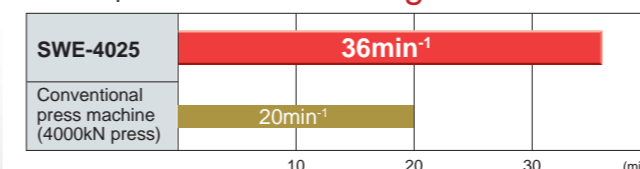
A press angle synchronizing function is installed for anticipated use in NC transfer, robot line, coil line, and other systems. The pendulum motion can also be accommodated to aim at productivity improvement.



NC transfer system

Productivity comparison

Strokes per minute: **1.8 times greater**



*Productivity comparison calculation conditions

- SWE-4025**
- High-speed pendulum motion (starting position: 180mm)
 - Pan bottom-shaped motion at 20min⁻¹ from 50mm
 - Approach strokes per minute: 45min⁻¹
 - Slide speed at 50mm above BDC: 200m/s

- Conventional press machine (4000kN press)**
- Slide speed at 50mm above BDC: 200m/s