Manufacturing Equipment

Electric Servo Press

AM-ESP S / AM-ESP E / AM-ASP F

Features flexible speed control of the stroke and downforce based on process requirements, meeting the rapid, flexible, and mixed-line production demands of the electronics manufacturing industry. It can enhance processing quality, reduce errors and losses caused by poor pressing, and thereby save unnecessary costs for customers. In addition, the electric cylinder servo press saves material costs without the need for traditional press components such as flywheels, pneumatic cylinders, press motors, and clutches, saving material costs and reducing pollution. This accomplishes high efficiency and energy saving for diversified markets

Standard Type

Cylinder Type

Cylinder Type

	S Series	E Series	F Series
Force	500 ~ 5,000 kgf	100 ~ 5,000 kgf	100 ~ 5,000 kgf
Stroke	100 / 250 mm	100 / 200 / 300 / 400 mm	100 / 200 / 300 / 400 mm
Features	Adopts a cast base with integral design, and combined with Delta components, it possesses high dynamic load capacity.	Satisfies industry demands, compact size, user-friendly interface, hassle-free implementation	Provides a high-rigidity structure, autonomous I/O control, and analysis of statistical data
Advantages	Features rapid mold change capabilities to accommodate small-volume large variety. It also includes the recording of process data during operations for statistical analysis and integrates mechanisms relevant to MES (Manufacturing Execution System) usage.		

Multiple Control Modes: Control for Swift Determination of Quality

Various control modes for specific pressing positions and forces to control the pressing stroke, minimize defects and enhance production efficiency

- Position Mode / Force Position Mode
- Force Mode / Force Distance Mode
- Distance Mode / Multiple Modes

In addition, incorporating dynamic frame mode (geometric constraints) enables real-time monitoring and recording. This facilitates monitoring processes, confirming details, and ensuring quality control

DIAServoPress Software for High Efficiency (Optional)

- Real-time monitoring on pressing status
- Real-time display of pressing curves and status, sensor values, and statistics
- Production visualization (productivity, yield rates, and more) to enhance management efficiency

Remote Control for Fast Execution

- Data upload to the manufacturing execution system (MES) via the built-in Ethernet communication for efficient and remote management, recording and analysis

Applications

Vehicle charging devices, Metal parts, Electronic & electrical appliance components, Industrial robots