



Announcement of the Product Launch of the AIDA DIS Former-- A Dedicated Forming Machine for Cylindrical Battery Cases for Storage Batteries

AIDA ENGINEERING, LTD. (Representative Director and President: Toshihiko Suzuki; hereafter referred to as 'AIDA') will launch its dedicated DIS Former product, which is a specialized machine for forming cylindrical storage battery cases.

Designed to improve productivity, the DIS Former is a new high-speed deep-draw forming system composed of an enhanced-performance mechanical press and a transfer feeder.



■ Development Background

Storage batteries are essential for utilizing renewable energy sources and are key products for achieving carbon neutrality. Demand is expected to increase not only for EVs and PHEVs, but also for applications related to stationary storage, non-automotive mobility, and industrial machinery.

We have developed a new product that will enable customers to accommodate significantly higher future storage battery capacities resulting from increases in lithium-ion battery production capacities.

■ Product Features

1) A High-Speed Long-Stroke Press That Enables High-Speed Deep-Draw Forming

- The SN value (stroke x revolutions) is 1.7 times higher than that of conventional presses.
- Reduced lube distribution resistance that improves lube supply efficiencies.
- Equipped with a pneumatic counterbalancer that both suppresses flow velocities and enables a smaller installation footprint.
- Equipped with vibration isolators that can withstand high vibratory forces.

2) High Continuous Working Energy That Enables 2-Row Forming

- The flywheel and motor have been optimized to achieve high continuous working energy.

3) A Mechanical Transfer Feeder That is Fully Synchronized with the Press

- Uses a one-dimensional transfer device driven by a cam mechanism connected to the press crankshaft.
- The clamping and unclamping operations can be timed and adjusted for each process using cams mounted on the die set.

4) Environmentally and Worker-Friendly Features

- A high-efficiency IE3 motor is standard.
- Equipped with devices that comply with international safety standards.
- An operation panel with enhanced readability and operability.
- Equipped with a wide array of DX support functions. (Option)



■ Product and Sales Overview

Product Launch: June 2025 (to be exhibited at MF-TOKYO 2025)

Product Model: DIS-1600

Primary Specifications:

Capacity:	1600	kN
Stroke Length:	230	mm
Continuous No-Load SPM:	40~90	min-1
Die Height:	430	mm
Slide Area:	1500 x 580	mm
Bolster Area:	1800 x 760	mm
Continuous Working Energy:	15380 J @ 90 min ⁻¹	

< Inquiries Relating to This Subject >

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Please note that this information is subject to change without notice.