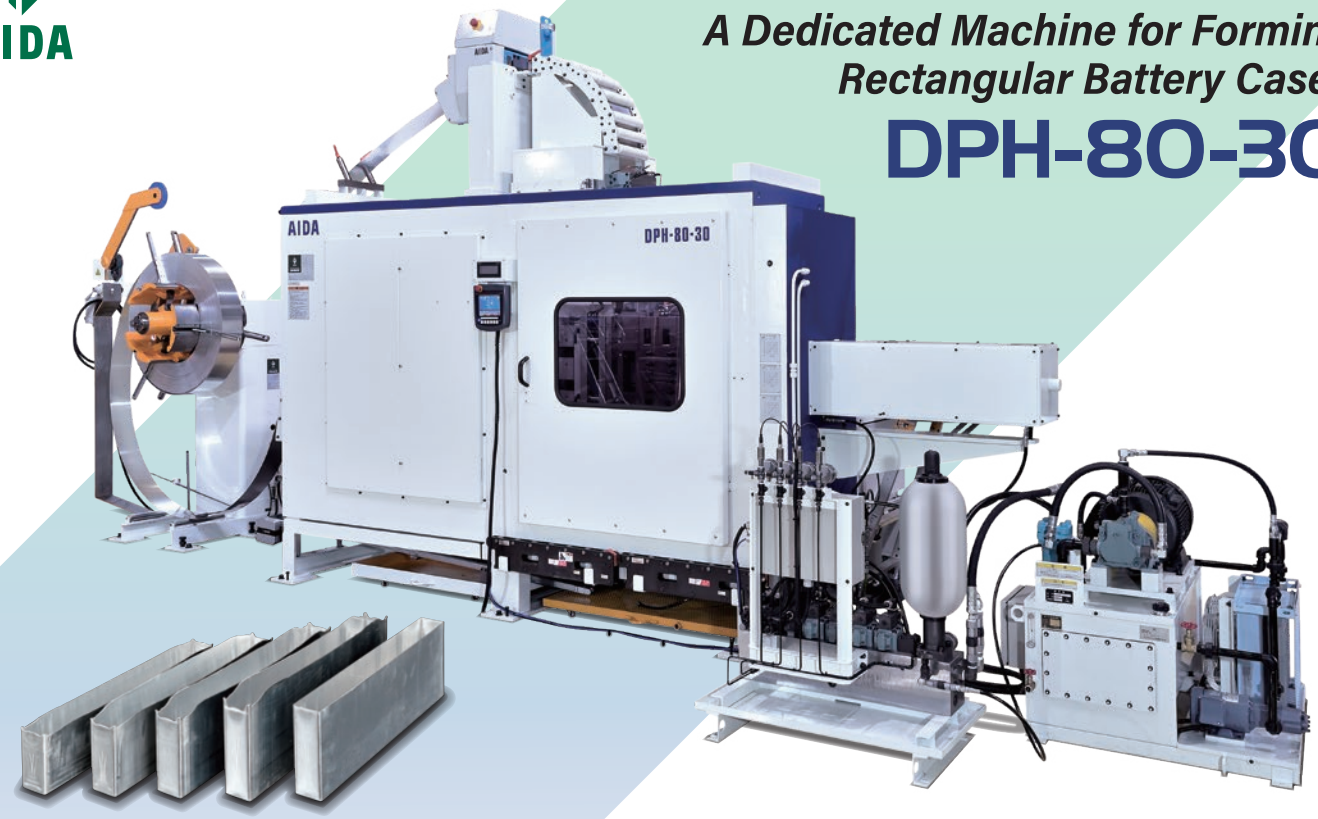
AIDA

A Dedicated Machine for Forming Rectangular Battery Cases

DPH-80-30



Solution 01 Significantly Fewer Forming Stages Than a Conventional Press

Multi-stage forming based on 'assisted draw-forming' that significantly reduces the number of forming stages compared to conventional draw-forming applications. Moreover, because the punch moves horizontally to perform incremental forming, the forming load for each process is dispersed, making it possible to form parts with a small-capacity former. The multi-stage forming process--from blanking through product ejection--is completed in a single stroke. (Separate dedicated equipment is used for trimming.)

Solution 02 Compact and Simple

Unlike a conventional press, no transfer feeder is required, which eliminates the need for complicated transfer finger adjustments. Since the DPH Former is more compact and lightweight than a press, there are fewer restrictions in terms of floor load capacities and factory floor heights, making it easier to install.

Solution 03 Environmentally Friendly

It enables low-load, energy-saving forming compared to a conventional press. This forming machine is environmentally friendly, requiring less die lube during forming.

Solution 04 Low Cost

The cost of the entire system configuration is less than that of existing press lines. And the die is also composed of fewer parts, so it can be manufactured at a low cost.

Solution 05 Shimmy Trimming Machine (TYC-32-5-11)

A servo motor drives the trimming punch in a continuous motion to achieve single-stage trimming. This suppresses uneven/stepped trimmed surfaces, which is a common problem when using a conventional trimmer that performs the trimming in two separate stages.

DPH-80-30 Primary Specifications

Main Axis Capacity	115kN
Stroke Length	MAX. 875mm
Frame Dimensions	4500mm×1250mm×3100mm

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