SOLUTION

V-factory
AMADA DIGITAL INNOVATION

CAM for Bending VPSS 4ie
BEND

Software

The Engineering AMADA

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The Engineering AMADA

AMADA

⚠ **Please read the "Instruction Manual" carefully
before use to ensure safety and proper operation.**

E159-HQ01en
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Fully automatic CAM for bending data creation
Transfer of bending technology using AiBEND

Feasibility of the bending process can be verified, including the bending sequence, tool layout, back gauge position, etc.
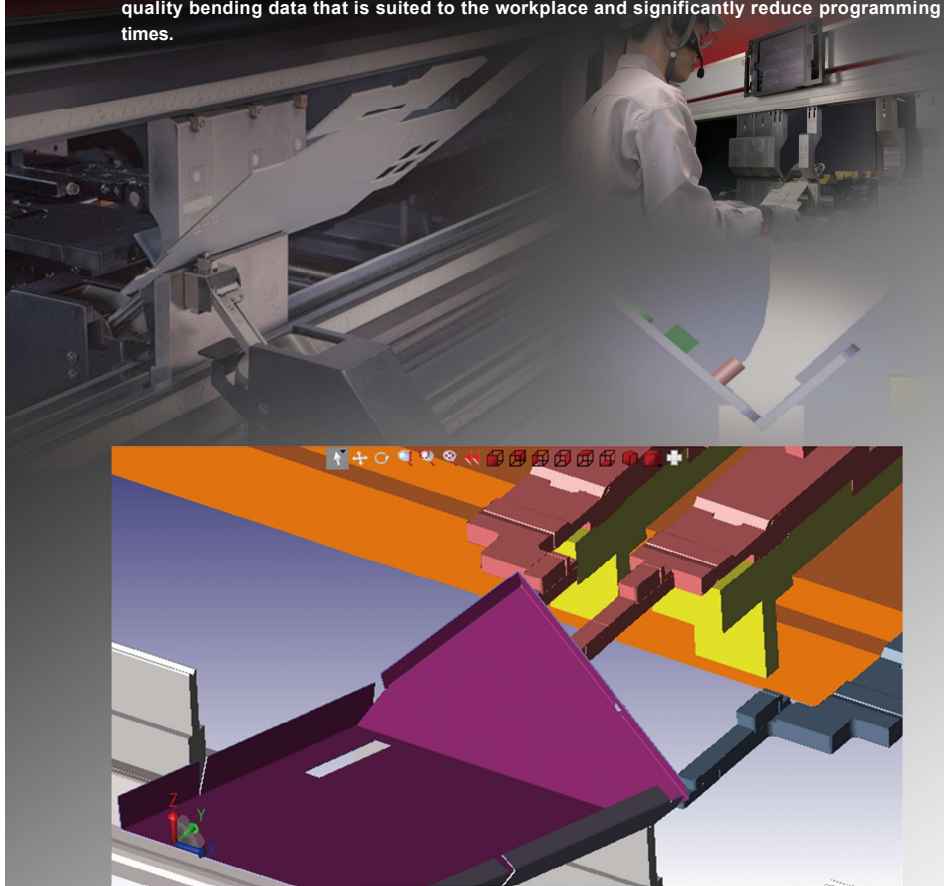
Amada's unique AI function learns from customers' processing data stored over many years to create new bending data. By utilizing data from processing results, it is possible to create high quality bending data that is suited to the workplace and significantly reduce programming times.


CAM for Bending

VPSS 4i℮ BEND

VPSS 4ie Bend features and functions

●Manual/Automatic bending data creation

Bending data can be created in the office, eliminating the time spent stopping the machine to manually program the bending sequence and tooling to be used. In addition, the bending process can be checked by simulation with realistic models, including forming and non sheetmetal parts.
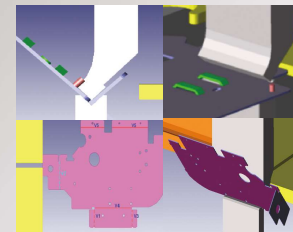

●Background bending data creation

At regular intervals, the server folder is monitored to automatically generate programs without programmer intervention. Multiple bending machine data creation is also possible.
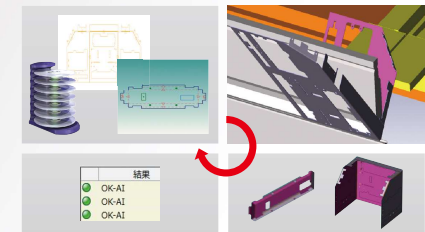

●Batch tooling setup for multiple parts

Bending data for multiple parts is automatically created in a common tool layout. Flexible tooling layouts can be created according to the customer's operation.
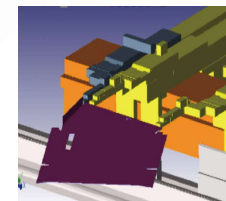

Processing in single setup
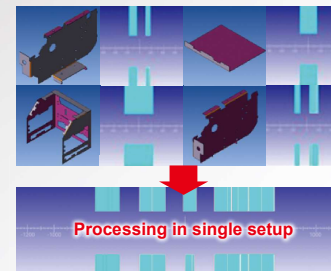
●AiBEND

Referring to past bending data, AiBEND can create new programs by selecting similar shapes of tooling, bending sequence, and positioning of butt joints.
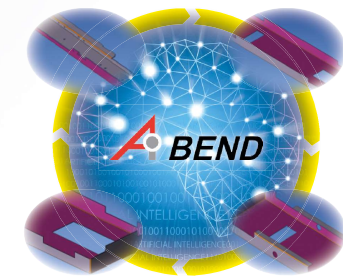
●Y 3-axis backgauge

AiBEND can create programs utilizing the new 3-axis back gauge system, which is particularly useful for small, complex, inclined and difficult to gauge parts.

●Automatic cross-sectional shape output

Automatic creation of 3D data from textual information such as dimensions and bending angles. 3D data of similar shapes can be created simply by changing the values of dimensional information. By using AiBEND together with fully automated functions, it is possible to create bending data based on onsite know-how.

Dimension information → Automatic 3D modeling → Cross-sectional or Save as 3D Shape