SOLUTION

V-factory
AMADA DIGITAL INNOVATION

CAM for Pipe Index Processing

VPSS 4ie
TUBE

Software

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The Engineering AMADA

AMADA®

The Engineering AMADA

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CAM for pipe index processing by VPSS 4ie TUBE
Significant reduction in lead time for pipe and structural steel processing

VPSS 4ie TUBE can create processing programs for AMADA laser machines equipped with rotary and chuck index devices. *1

Automatic pipe and structural steel nesting drastically reduces lead time for complicated processing and improves work yield.
(SheetWorks for Unfold is available for model creation.)

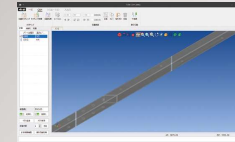**Using AMADA's software eco system, part data can be shared between all VPSS 4ie applications.**
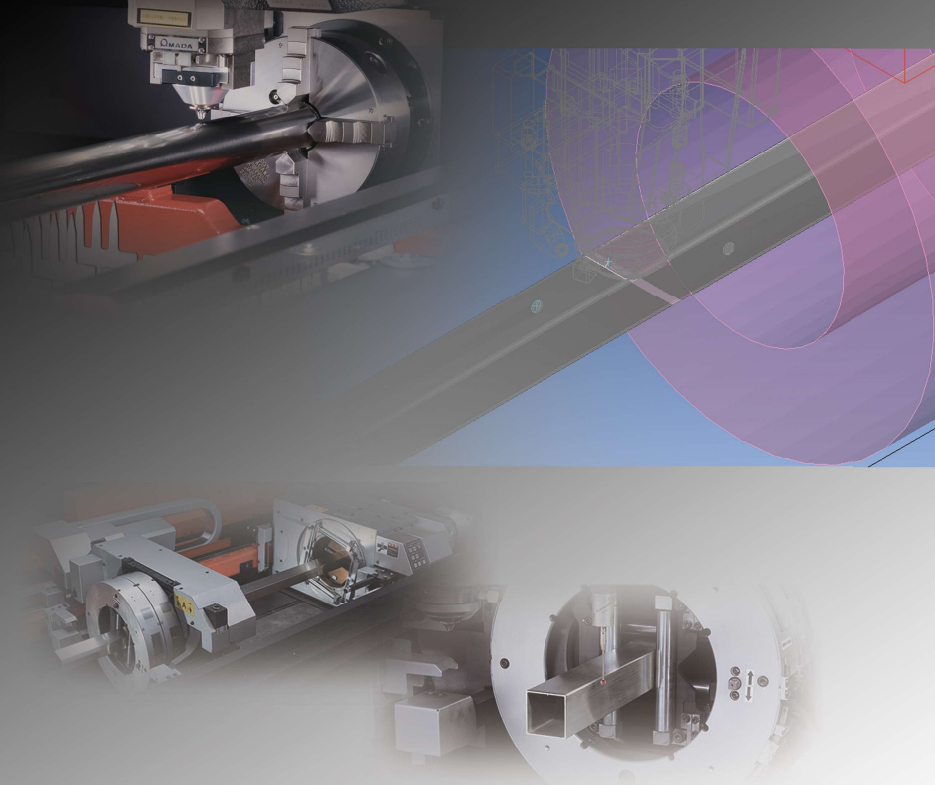
CAM for Pipe Index Processing
VPSS 4i℮ TUBE

VPSS 4ie TUBE features and functions

● Nesting
High efficiency part layouts
Automatic nesting function

● Simulation
3D simulation allows program verification.
Repositioning, retracting the material support, touch probe operation, etc. can be checked. (Corrected G-code can also be checked.)

● Laser path assignment
Laser paths are automatically assigned.
After automatic assignment, modification of cutting conditions, joint addition, editing, piercing, approach, etc. is possible.
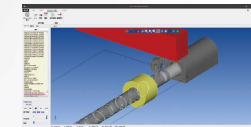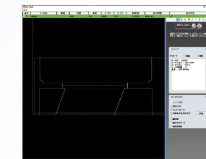
● Various processing technologies
Laser paths are assigned to improve processing accuracy and cutting quality based on product shape.

● Save / Work instructions
Save all data within the AMADA database.
Work instructions can be printed at the same time as saving data.

● Improved operability
Optimized button placement shortens mouse travel distance.
Reduced time to create a program.

Linkage with SheetWorks

For model creation, SheetWorks for Unfold is available, which can also be used for sheet metal development.
Many useful functions for pipe and structural steel modeling are included to reduce model creation time.

● Pattern input
3D models are automatically created by simply selecting shapes from the available patterns and entering numerical values for parameters.
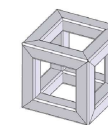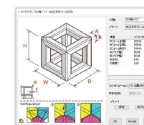
● Structural steel layout
Wireframe shapes are created using sketches. JIS/ISO and other standards are available for steel cross sections, and models can be created by simply applying cross sections to wires.

Drawing wireframes   Placing cross sections of steel   Collision condition
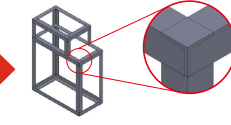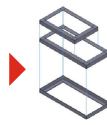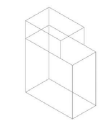
*1 "VPSS 4ie TUBE LE" with limited functions (no automatic nesting and no structural steel processing) for chuck indexing equipment is also available.