


The Engineering AMADA

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

\*The specifications, appearance and equipment are subject to change without notice.  
\*For details on the operating environment, please consult your sales representative.  
\*The functions may be limited depending on the specifications of the processing machine.  
\*The specifications in this catalog are for Japan.

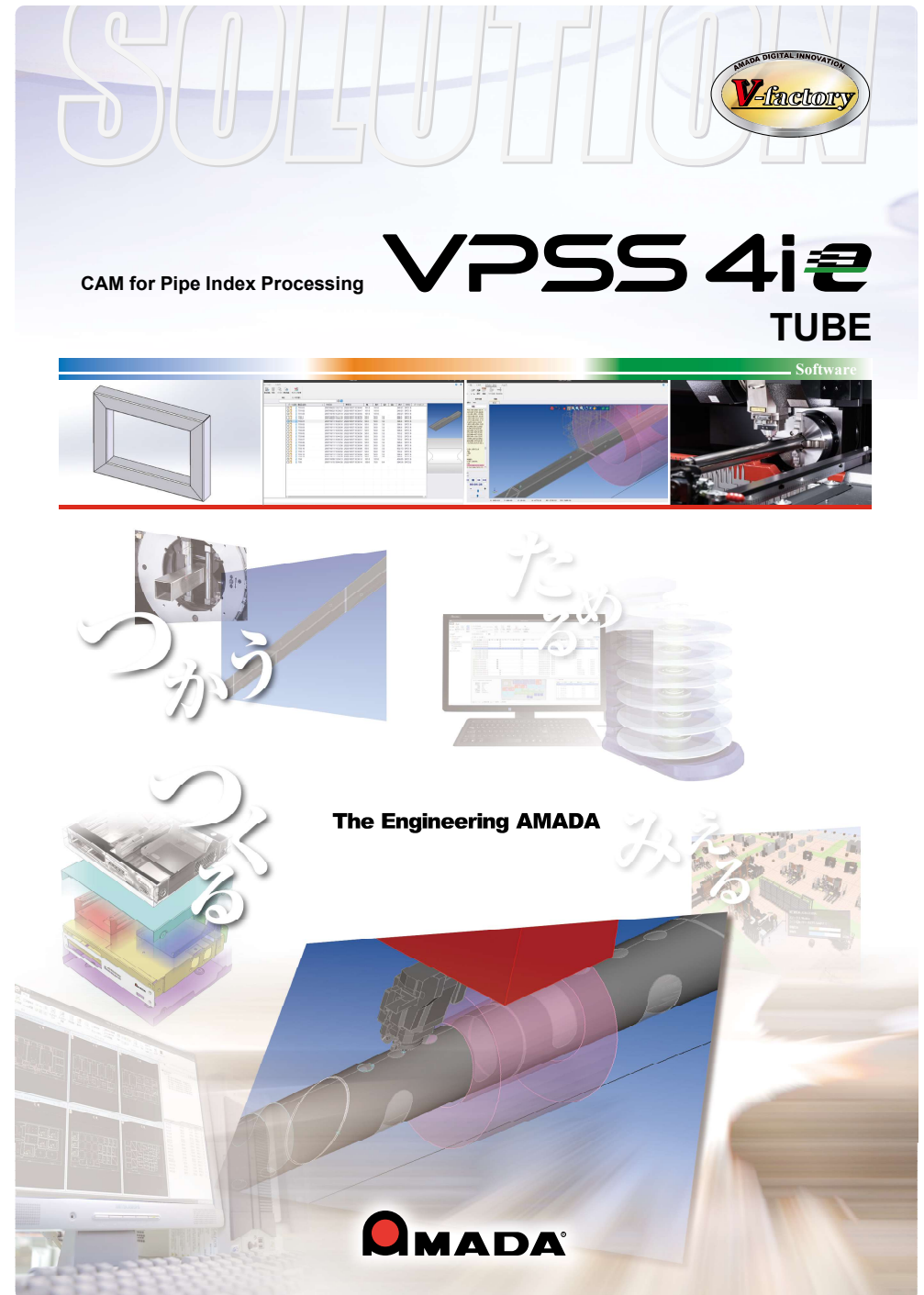
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**AMADA CO., LTD.**  
200, Ishida, Isehara-shi, Kanagawa, 259-1196, Japan  
[www.amada.co.jp](http://www.amada.co.jp)

Inquiries



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SOLUTION

AMADA DIGITAL INNOVATION  
**V-factory**

CAM for Pipe Index Processing **VPSS 4i2**  
TUBE

Software

つかう (tsukau) - Use

みる (miru) - See

The Engineering AMADA

**AMADA**

The advertisement features a large background image of a pipe being processed by a machine, overlaid with a 3D CAD model of the pipe. The word 'SOLUTION' is written in large, stylized letters at the top. The 'V-factory' logo is in the top right corner. Below the main title, there are several smaller images: a 3D model of a pipe, a screenshot of the software interface showing a data table, a 3D model of a pipe with a cutting tool, and a photograph of a pipe being processed by a machine. The Japanese characters 'つかう' and 'みる' are written in a stylized font, along with the English text 'The Engineering AMADA'. The AMADA logo is at the bottom right.

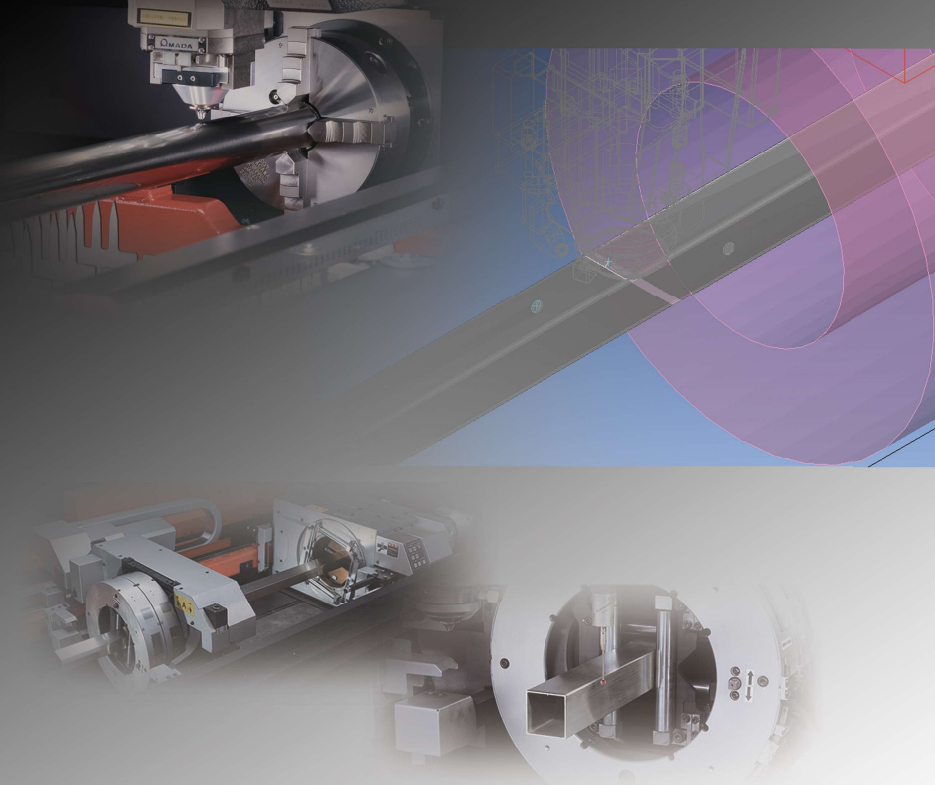
## CAM for pipe index processing by VPSS 4ie TUBE Significant reduction in lead time for pipe and structural steel processing

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.



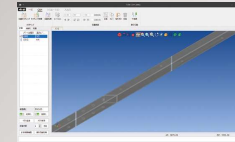
CAM for Pipe Index Processing

**VPSS 4ie** TUBE

### VPSS 4ie TUBE features and functions

#### •Nesting

High efficiency part layouts  
Automatic nesting function



#### •Laser path assignment

Laser paths are automatically assigned.  
After automatic assignment, modification of cutting conditions, joint addition, editing, piercing, approach, etc. is possible.



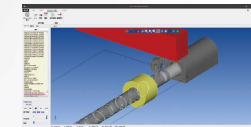
#### •Save / Work instructions

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



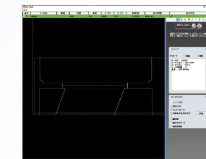
#### •Simulation

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



#### •Various processing technologies

Laser paths are assigned to improve processing accuracy and cutting quality based on product shape.



#### •Improved operability

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

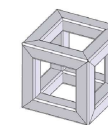
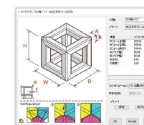


### Linkage with SheetWorks

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.

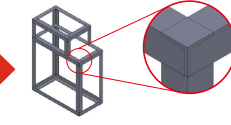
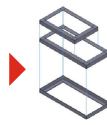
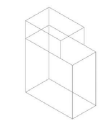
#### •Pattern input

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.



\*1 "VPSS 4ie TUBE LE" with limited functions (no automatic nesting and no structural steel processing) for chuck indexing equipment is also available.