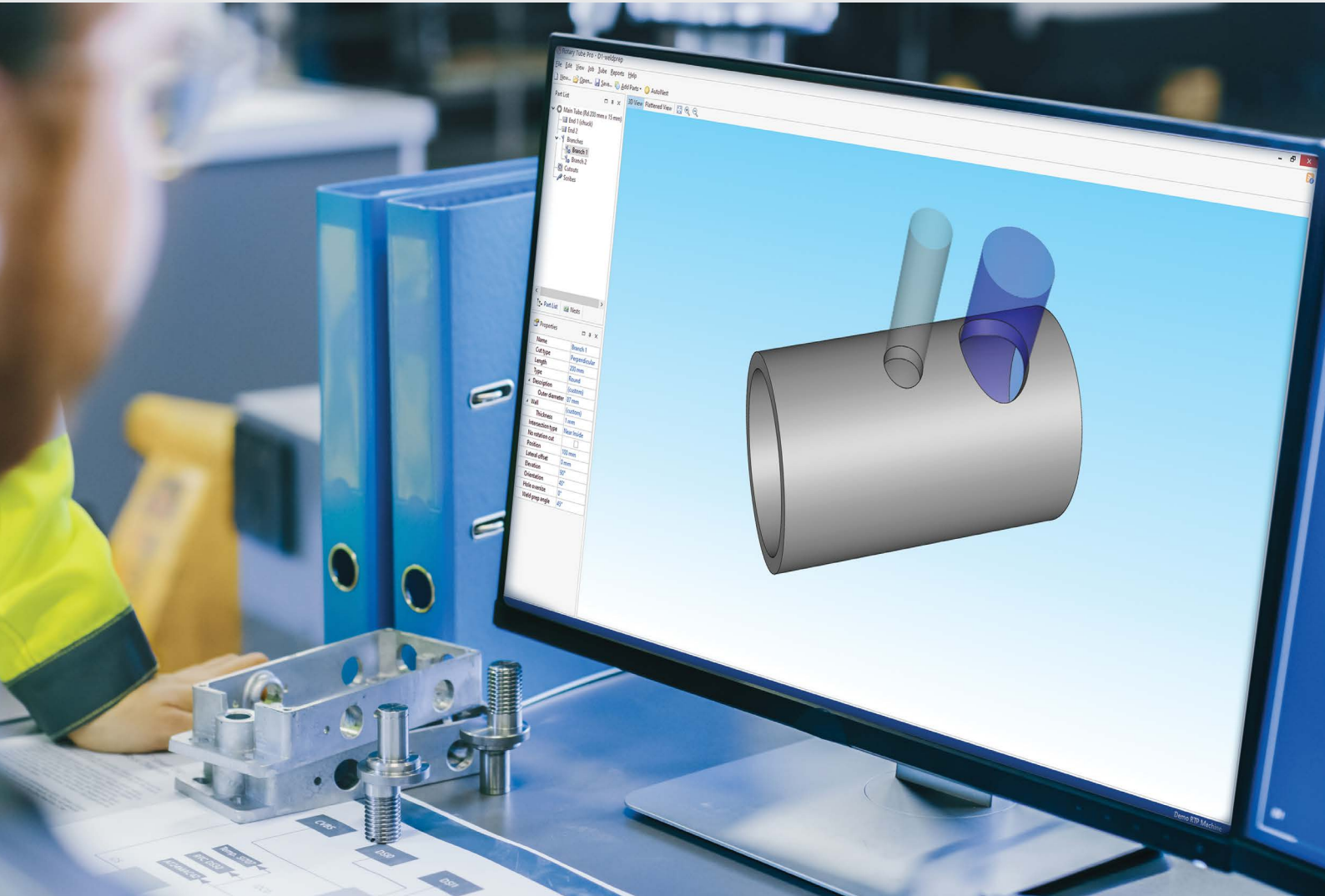# Tube cutting software | v3

Rotary Tube Pro makes it fast and easy for anyone to design and cut tube and pipe parts. Designed for mechanized rotary cutting, it supports stand-alone units and cutting table add-ons, including plasma, laser, waterjet, and oxyfuel machines.

Benefits

Machine manufacturers choose Rotary Tube Pro

Leading industry experts, including machine manufacturers, distributors, and system integrators, choose Rotary Tube Pro™ to match the power and capability of their most advanced machines.

Breakthrough technologies

Rotary Tube Pro is the only rotary software that provides full support for our SureCut™ technologies, including True Hole® and bevel cut charts based on True Bevel™ technology.

Ease of use

Import files from 3D CAD or use the parametric input to easily create tubes and branches with no 3D CAD experience required.

Automatic tube and pipe nesting

Efficiently place multiple parts on a single piece of stock tube or pipe.

Unlimited technical support

Unlimited access to technical support, training, and software updates is included with your purchase.

Standard feature highlights

Cut process support

- Plasma (conventional or high definition)
- Laser (CO_2, fiber, or direct diode)
- Waterjet
- Oxyfuel

Machine support

- All major brands/manufacturers/models
- Stand-alone units and cutting table add-ons

Part creation and development

- Create round or rectangular tube parts with parametric input
- Standard tube sizes and schedule pipe parameters (including wall thickness, corner radius, etc.) are provided for common materials, or input your own custom sizes
- 3D model of tube is updated in real time as you work, can be freely moved and rotated
    - 2D layout view is also available
- Branches can be added to define interiors using standard or custom tube sizes
    - Set branch intersection type: front outer, front inner, pass-through
    - New main tubes can be created from existing branches
- Cutouts can be added to define interiors, including layout arrays in rectangular and polar orientation
    - Select cutouts from a list of commonly used parametric shapes
- Support for a variety of end cuts
    - Straight
    - Miter
    - Pipe intersection
- Edit lead-in/out position and properties
- Control cut direction and cut sequencing on a part-by-part basis

CAD/CAM import and conversion

- Import DXF files to use as cutouts, allowing interiors of virtually any shape
- Import DXF text for cutting
- STEP file import for 3D CAD

Automatic nesting

- True shape or rectangular

Common line cutting

- Included as standard, cut two or more parts that share a common edge

SureCut™ technology and built-in process expertise

- True Hole® technology capable*
- Automated job set up on the EDGE® CNCs
- Material type, thickness and class-based process parameters:
  - Separations for cutout and pierce spacing
  - Kerf compensation and feedrate
  - Lead-in/out
  - Cutting techniques
- Cut sequencing—automatic or manual
- Automatic tabbing/micro-joints
- Ability to cut without rotation
  *Certain hardware and software requirements may apply.

Reporting

- Reports containing detailed job information and 3D part graphics
- Export reports directly to PDF

Simplified costing

- User-defined machine and labor production costing
- Automatic calculation of part production costs and part/nest utilization

Output

- Advanced post-processor, for perpendicular cutting, with NC output
- Scribe support
- DXF output

Module(s)

The following modules can add powerful capabilities to your software.

- Rotary Bevel Interface
  (includes one Rotary Bevel Machine Post Processor)

  For users operating a cutting machine equipped with a programmable bevel head, the Rotary Bevel Interface provides a seamless solution for creating the desired NC output. It generates a 3D model with true intersecting branch angles and end cuts. It allows for weld prep cuts to be added, and supports output of multi-axis, machine specific, bevel code.

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