



# FastPIPE™

## CNC TUBE PROCESSING



### Ideal for Heavy Pipe & Tube Fabrication

#### SIMPLIFY AND SPEED ALL TYPES OF PIPE DEVELOPMENT & ESTIMATION WORK

#### HIGHLIGHTS:

- SPECIFICALLY DESIGNED FOR HEAVY TUBE (PIPE)
- ELBOWS, STRAIGHT & PIPE BRANCHES
- WRAP-AROUND TEMPLATES
- FULL MANUFACTURING AND WELD DETAILS
- AUTOMATIC & EASY!
- INCH & METRIC
- MICROSOFT WINDOWS

FastPIPE™ is a specialist version of the FastSHAPES® System for Thick Plate (see separate brochure). Where FastSHAPES® is for flat (pre-formed) Plate, FastPIPE™ is for profiling and adding penetrations to formed heavy tube.

Parts can be developed quickly and adjusted to seam locations etc., to ensure they fit available stock.

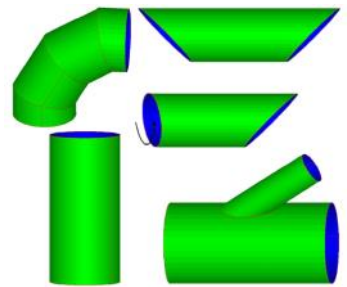
FastPIPE™ automatically produces meaningful data for the forming and joining of parts when appropriate.

FastPIPE™ also creates a detailed PartsList table which is ideal for estimation. No more guesswork!

FastPIPE™ produces a full length wrap around template as a pattern. If the diameter or length exceeds the capacity of the pipe cutting machine it can be created as a DXF or CAM file which can be edited in an external CAM system (or plotted).

In addition, the FastCAM® System (see separate brochure) can be used to add various details to the pattern. E.g. Slots can be added to a pipe intersection profile when reinforcing plate is to be inserted in the joint.

The system is sophisticated but uses familiar shop floor terminology making it very simple to use.



Four 'shapes' cover most pipe development needs:

**Elbows:** Transforming gored bends.

**Pipe Branches:** All types including "Set-on and Set-In" developments and offset branches.

**Standard Pipes:** Short square-cut stubs.

**Mitred Straights:** Short square-cut stubs, complete with mitred bend(s) and twists.

#### Features:

**Dynamic Display changes shape as data is entered**

**Full 3D Viewing inc stereoscopic, Plan, Elevation & Isometric**

**'Cutaway' feature lets you see inside the development**

**Calculates Longitudinal Seam Offsets and more**

**Cut Width (Kerf) & Coated Pipe Allowance**

**Includes 2D Drawing System**

**Fast(CAM) and DXF Output**

**FastPIPE™ is for pipe cutting where the main jointing technology is welding.**

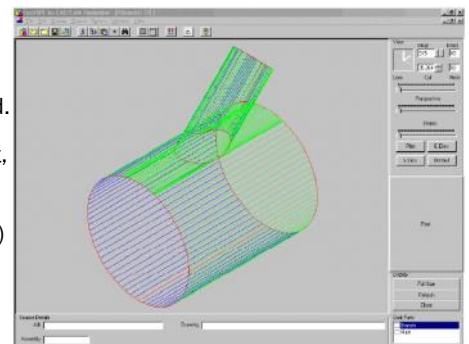
#### Co-ORDINATES FOR LOFTING AND WELD PREPARATION

Wrap around templates are produced in X, Y co—ordinates which also allows for 'manual nesting' of parts. Weld preparation is easily applied to a square-cut edge as a secondary operation (often after forming and/or removal of green).

Inside/outside mark and cut line edges are also handled, as are assembly markings.

Three standard weld types are accommodated:

- Fixed Butt (Groove) Weld.
- Combination, Butt—Fillet, or alternating Butt, Weld
- Square cut Butt (Groove) Weld



**Simple wire frame view shows cutting and various markings as different colors.**

*FastCAM has been supplying PC-based software for Burning, Shearing and Sawing/Drilling machines for over 25 years. The flagship product FastCAM® offers unique integrated postprocessors, NC verification and NC code nesting that still sets it apart from other CAM and CAD/CAM systems. The new generation of FastCAM® software is used in many countries, in many languages and in many different environments.*

*Today the product line has been expanded to include dozens of trademarked products offering a wide range of solutions for glass, timber and metal fabrication. FastCAM has OEM and Business Partners in North America, South America, China, Australia, New Zealand and Europe (Poland, UK, Czech, Hungary). We welcome all enquiries.*

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FastCAM® works with all popular flame, plasma, laser and water jet NC cutting equipment including BURNY, EDGE, LYNX, FastCNC, HYPERTHERM, FAGOR ANCA, NUM, PDF32, SIEMENS, SYSTEM32, 40, numerical control system, and CIGWELD ESAB, MESSER, KOIKE, TANAKA, FARLEY, 3000 etc . Refer to our web site for a full listing.

## Other Products by FastCAM:

The following are separate programs that can be purchased independently:

**FastCAM®** - CAD compatible CAM system with nesting and integrated posts.

**FastCUT® for Shears & Saws**— Rectangular, Linear and Cut to Length optimization for guillotines.

**FastCAM® QE**—Quotation system with optimization for steel profiles and long products. Complete system for Steel Service Centers.

**FastCAM® MTO**—Capture steel take-off data electronically.

**FastSHAPES®** - Develop heavy plate metal transitions. E.g. Square to Round patterns.

**Tradesman in a Box™** - Develop heavy plate metal transitions for manual layout/lofting.

**FastFRAME® and FastPIPE™** — Tubular and Pipe Development programs for heavy steel.

**FastBEAM™** —Beam & Drill Line programming system for structural.

**FastCOPY®** —Digitize engineering parts and templates to DXF format.

**FastLINK™** —Speed DNC download from PC to cutting machine.

**FontGEN**—Convert fonts to DXF.

**Outline**—Convert images to DXF.

**FastTRACK®** -Remnant Tracking for Processed (Cut) Plate.



[www.youtube.com/user/FastCAM Service/](http://www.youtube.com/user/FastCAM%20Service/)

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