Tradesman in a Box™
WORKSHOP LAYOUT FOR HAND HELD OXY

FastCAM®

Ideal for Fabricators without CNC Machinery

Nuts and Bolts:

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 Bend Lines, Forming Angle, Longitudinal Seam Offsets and more

Every component of a construction can be viewed independently

Includes 2D Drawing System

Loft patterns directly from printout

THE FAST WAY TO PRODUCE PATTERNS READY FOR MANUAL CUTTING

Tradesman in a Box™ is a complete affordable solution for the workshop that does not have CNC machinery.

Take out the guesswork and eliminate the need for calculations!

Shapes can be completed in a fraction of the time manually lofted patterns would allow and importantly, they are fabricated "right first time".

Simply model the item in 3D (you see the shape appear as data is entered) and produce output for manual lofting.

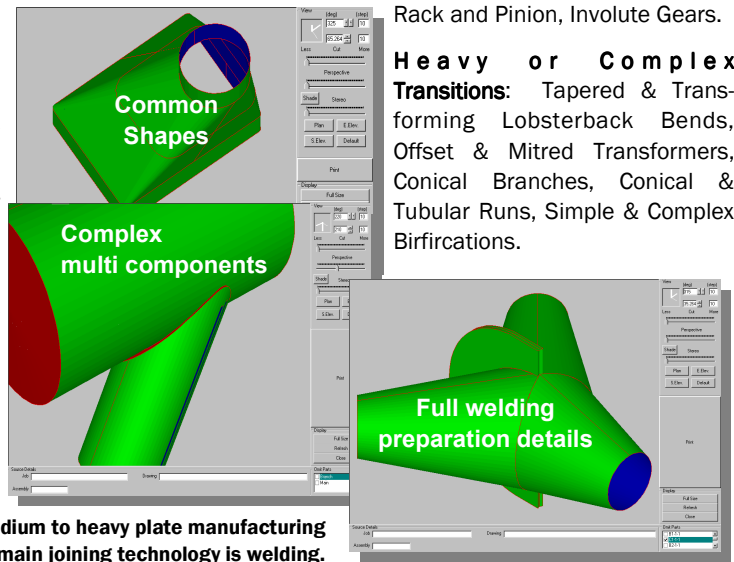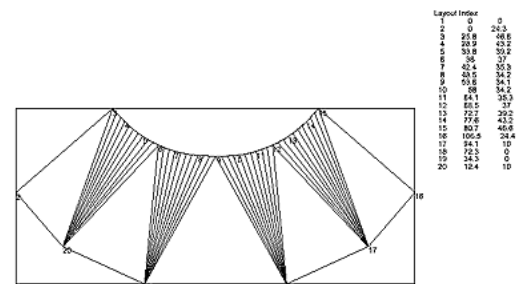The system is sophisticated but uses familiar shop floor terminology making it very easy to learn with 'user tips' and a comprehensive online help system.

With shapes covering most thick development needs:

Common: Rectangle to Round, Elbow, Pipe Branch, Lobster, Multi Segment Cone, Oblique Cone, Cone Bifircate, Plate Branches.

Power Transmission: Chain Sprocket, Universal Sprocket, Rack and Pinion, Involute Gears.

Heavy or Complex Transitions: Tapered & Transforming Lobsterback Bends, Offset & Mitred Transformers, Conical Branches, Conical & Tubular Runs, Simple & Complex Birfircations.

Common Shapes

Complex multi components

Full welding preparation details

Tradesman in a Box™ is for medium to heavy plate manufacturing where the main joining technology is welding.

CO-ORDINATES FOR LOFTING OR USE WITH AN OPTICAL MACHINE

The system allows for multi strake, variable thickness construction with internal, mean or outside data entry. Full fabrication Dev. includes Welds, Full/Partial Penetrations, Fillet, Butt/Groove.

Highly accurate components offer a marked improvement in weld quality and consistency resulting in better fitup.

- Green Allowances
- Forming Angle
- Back to Back "Stitch" Cutting
- Marking of bend lines
- Mass of all Parts
- Assembly List
- Longitudinal Seam Offsets

The detailed printout makes it very simple to loft and cutout by hand, or printout at a 1:1 scale and use with an Optical Machine.

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 metal fabrication and Service Center operation. 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 SUPPORTS: BURNY, LYNX, WESTINGHOUSE, ESAB, PICOPATH, CREONICS, HANCOCK , FANUC, C & G, PCS, KOIKE SANSO, TANAKA, MESSER, FAGOR, FARLEY, ANCA, SIEMENS, JHE, HYBRID, MYNUC, ANCA, PDF32 AND MANY OTHERS. THIS IS NOT A COMPLETE LISTING — CONTACT YOUR RESELLER OR FASTCAM DIRECTLY FOR MORE.

FastCAM® will operate on most Pentium based PC's with Microsoft Windows 98/ME/XP or NT4/2000 however the recommended system, particularly for nesting, is a Pentium IV 256/512Mb RAM 80Gb HDD 17" Monitor & Windows XP.

ADDING FUNCTIONALITY TO TRADESMAN IN A BOX™

The following are trademarked products and are separate, complete programs that can be used alone or in conjunction with Tradesman in a Box™:

FastCAM® System—Integrated Drawing System and Post Processor with 'One Click' CAD import.

FastSHAPES®-Shape set for NC.

FastTRACK® -Remnant Tracking for Processed Plate.

FastCAM® Profile Quoter-Parametric Estimator for Cut Plate.

FastCAM® QE—Comprehensive Optimized multi-user Quotation System for MSC's.

FastCAM® MTO—Fast, automatic material take-off specific to steel.

FastFRAME® and FastPIPE™ —Tubular and Pipe Development Programs.

FastBEAM®—Graphic Beamline programming system.

FastCOPY® —Digitize parts to NC.

FastCUT® —Optimize, Cost, Cut List.

FastLINK™ —Fast DNC download from PC to cutting machine.

FontGEN—Fonts into DXF.
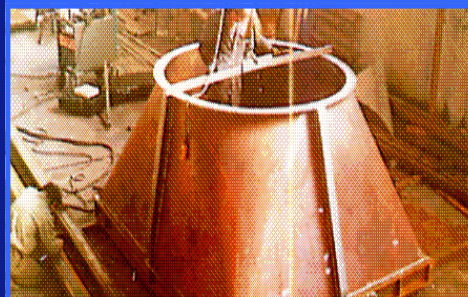
Outline—Convert images to DXF.

Simple 'Extras' that can be incorporated into the FastCAM® System include:

Textmarker—for marking/ identification of processed parts.

Common Cut Pairs—Cut parts with a common edge.

COMBINING FASTCAM® WITH OTHER PROGRAMS OFFERS THE MAXIMUM IN PRODUCTIVITY GAINS

SQUARE TO ROUND TRANSITION

Using Tradesman in a Box™, this square to round transition was completed quickly and accurately first time. The development even included the line marking and number of degrees for forming every bend!