

watts-mueller WM-36

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Watts Classic W-244/364

6-Axis pipe cutting. Fully automated cutting process. Complete with 25'-45' capacity. Diameter 1.5" to 24"/36" Saddles, miters, bevels holes. The W-244/364 series have options for non-powered or powered logistics.

Watts Blended WM-36

6-Axis CNC pipe cutting. Fully automated cutting process. Complete



with 25'-45' capacity. Diameter 1.9" to 36" Saddles, miters, bevels noles. The WM series has powered logistics. This machine can support single-needle scribing, multi-needle,

About Watts-Mueller, LLC

Watts-Mueller/Muller Opladen is a world-leading manufacturer and global supplier of industrial computer-controlled pipe cutting machinery. The Watts-Mueller methodology using CNC machines and our 3D Profile Plus cutting and data management software puts the focus on productivity, efficiency, safety with our material handling solutions. Watts-Mueller is headquartered in Washington State near Seattle with a second production facility in Germany at our Sister Company Muller Opladen.

Our management team



From left to right: David Carr, Ralf Hamacher, Dave Dunham, Dave Collins, and Ian Sulimma

MO Heavy Duty 6-Axis pipe cutting

Fully automated cutting process. Complete with 25'-45' capacity. Diameter 2" to 48"/60"/80"/100"/120"/160". Saddles, miters, bevels holes, re-pads, off-shore cuts.



Comprehensive Software for Process-Oriented Production

Our software solutions for machines and processes make the production workflow for our customers more efficient. Our thermal cutting machines make 3D contours as part of an integrated process chain rather than an isolated element

With our 3D-Profile Plus software (3DPP) CAM modules, we link our machines to both upstream and downstream workflows, significantly reducing production time, material costs and errors.

The 3DPP software and our machine based Corobs® software are the basis for the Watts Classic, Watts Blended, and all Watts-Mueller Heavy Duty, MO Compact, MO Classic and MO Heavy-Duty machine series.

3DPP is a comprehensive CAD/CAM system for:

- Modeling cutting geometries
- Nesting numerous parts to be cut on a single pipe

- Calculating and recording cutting times and costs

3DPP also provides extensive reporting functions for calculation or documentation purposes. Furthermore, 3DPP provides comprehensive reporting for downstream costing and documentation purposes. This robust software system can be fully integrated into any company workflow as an autonomous software system for the modeling of pipes or by importing drawings from a multitude of CAD software systems.

3DPP offers rich data in SQL views that can be pulled into Excel and other tools for reporting, and into ERP systems or other databases. 3DPP is typically run at both the machine and in an office(s). In offices: a CAD designer and/or detailers can import jobs, design parts, and plan work. At the machine, operators can input nested parts on pipes and other cut jobs.

3DPP modeling module

The 3DPP modeling module permits independent production of pipe cutting contours represented in 3D with dimension contours. To begin, a cutting contour such as a saddle cut is selected. Then, only a few parameters need to be entered into a preset mask to allow the cutting contour to develop automatically. Repetitive contours can simply be duplicated.

3DPP CAD import module

3DPP can import parts and complete design spools of most well-known software CAD systems such as Acorn, AutoDesk, Aveva, BoCAD, COMPRESS, Intergraph, Pro CAD, Pro Engineer, Ship Constructor, Solid Works or Tekla *Structures* and many others. Custom importers for special CAD systems can be developed in cooperation with customers.

3DPP nesting module

Once all the parts have either been modeled or alternatively imported, with a single command 3DPP automatically nests the parts on a pipe. This algorithm for such optimal nesting can save up to 10% in material cost. The pipe segments to be cut are then shown in 3D on the monitor. During the cutting process, both the machine operator and those using 3DPP in offices can remotely see the machines' cutting progress. 3DPP also integrates software that can automatically print unique labels for each part and report back to the resident/ ERP database for a complete workflow process.

3DPP and SQL databases

3DPP runs on top of SQL databases. These databases expose a rich set of data views for use in ERP, process management, inventory control, and custom reporting. Our customers often integrate 3DPP data with their ERP system, and also with Microsoft Excel to create custom live reports for job costing, scheduling and tracking, inventory control, and post-job analyses.

MO Heavy Duty Series Pipe-Dome

6-Axis pipe cutting with a tilting chuck brings Incredible flexibility. When the chuck is in the vertical position it is perfect for pipe and vessels.

> When the chuck is in the horizontal position, heads are positioned on the robust selfcentering chuck.

3D-Profile Plus Software

• Assigning cutting functions to one or several machines (while taking into account their respective capacity)

Keeping track of current working process stages at the machine(s)

Design a Part **Using Graphical Tools**



Select One or More Parts from Database for Nesting



Nested Pipe is Ready to be Sent to the Machine for Cutting

