



Robotic Polishing, Grinding and Buffing Systems

Integrated Robotic Polishing, Grinding and Buffing Systems for Orthopaedic Components

Acme Manufacturing Company is the largest and most experienced global manufacturer of robotic polishing, gate grinding, deburring and buffing systems for orthopaedic components. Over 70 systems in production worldwide.

Applications

- Knees, Hips, Tibia Trays, Cups, Bone Plates, Instruments
- Cobalt Chrome, Titanium, Stainless Steel, Zirconium
- Casting Tree Cut-Off
- Gate Grind
- Forged Flash Removal
- Rough Out and Finish Belt Polish
- Cup and ball buffing
- Deburring



Features and Benefits

- Turn Key System Design & Build
- Part Validation Capability
- Universal Tooling Concepts
- Field Proven Process Knowledge
- Process Control Monitor and Automatic Adjustment
- Vision Inspection with Automatic Process Modification
- Heat Reduction Process Control Technology
- Media Life Management and Control
- Troubleshooting Via Modem and/or Internet
- Ethernet Host Computer Support
- Built to RIA and CE Specifications
- Reduced Labor to Finish Femoral Components
- Integrated Dust Collection
- Acme RoboGuide Robotic Offline Programming
- Unattended Run Time with Custom Part Queuing Options
- Reduced Media Usage by 4-6 Times over Manual Finishing
- Return on Investment in 1-Year or Less
- On Demand Quick Set Up and Change Over Capability
- Force Controlled Finishing Heads with Variable Speed Spindle Motors

Acme's expertise is focused on providing a complete fully developed and risk-free finishing system to support the medical implant industry worldwide.

Acme maintains a complete in-house technical support staff of engineers for: applications, product, and electrical controls, off-line programming and training. Our service technicians provide start up, installation support, hands on training, part task programming and trouble shooting worldwide.

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Facilities
 50,000 sq. ft.

Staff
 75 employees

Certification
 QS-9000 TE Supplement