

3-Axis Spherical Lapping-Polishing System

features

1-Micron Accuracy & Optimized Processing Time

from

LAPMASTER

Lapmaster 3-Axis Spherical Lapping-Polishing System has been developed to produce very accurate spherical surfaces on a variety of components and materials..... Spherical tolerance accuracy to within 1 micron is obtained on scratch-free, mirror finish high-quality surfaces (applies to both male-female devices).

This system is effective on most materials including ceramic, natural metals and alloyed metals. Applications include:

- Prosthetic Devices
- Valve Assemblies
- Pump Components
- Bearing Manufacturing

This heavy-duty production system is a floor-standing machine utilizing a Tubular Steel Base for stability & durability. It is arranged for the use of two (2) independent production work stations. Each work station has its' own controls, so different devices are processed at each station.

The easy-access, well-lit ergonomic design work area utilizes non-corrosive construction for cleanliness.

The stand-alone system is –CE compliant and features a pneumatically-assisted see-thru safety/splash guard. The system can be configured for either 115V or 230V electrical service. An operational air service of 60 psi is required.



3-Axis System Left-Side Processing Station



Hip Replacement Devices

- Simultaneous and fully independent operation of the 2 work stations
- **Standard system** can process 1"-4" spheres
- Non-corrosive materials used in the work area
- Ergonomic, easy-access, well-lit work area
- Pneumatically-assisted see-thru safety cover
- –CE compliant system
- 115V–230V electrical service available
- Adjustable kinematics for all 3-axis motions
- Pneumatically-assisted pressure on components reduces processing time, enhances repeatability
- Compound delivery system included
- Dimensions: 86" tall by 55" wide by 36" deep
- Weight: 1,050 pounds
- Included: Manual, tools, and start-up kit
- Customized Tooling available for additional diameter sphere sizes



S-ROM Oblong Cup

LAPMASTER

3-Axis Spherical Lapping-Polishing System



2-Station 3-Axis Spherical Lapping-Polishing System with Safety Guard in the "Up" Position



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