

# Machine Rebuild Service

## THE HUFFMAN ADVANTAGE

Own a rebuilt, current-technology Huffman multi-axis grinder for 50 to 60 percent less than a comparable new machine. This service delivers all the benefits of current technology including a new control.

Huffman has enjoyed a long standing reputation for building robust, accurate machine tools, and over 90 percent of Huffman machines are still in service. However, deterioration of dynamic wear components such as ball screws, linear rail sets, bearing, gears, seals and other components result in loss of accuracy after years of around-the-clock production.

Huffman's rebuild service restores your machine to its original factory specifications and increases the life of the machine. Capacity and capability will be increased through the retrofit of current technology components.

## FEATURES

- Complete disassembly and cleaning of the machine
- Replacing and installing new ballscrews and rail sets to factory specifications for straightness and squareness
- Disassembling and rebuilding the rotary axes using new bearings and gears, adjusting for backlash
- Replace or repair feedback devices as required
- Inspecting, repairing and replacing (if necessary) auxiliary systems
- Replacing lubrication, hydraulic and pneumatic lines
- Installing and balancing new spindle and spindle motor to factory specifications
- Replacing belts and waycovers
- Replacing and tuning servo motors and drives to factory specifications
- Installing a new Huffman OAC or GE Fanuc control
- Rewiring the machine axes
- Painting the machine
- Performing positioning accuracy and repeatability inspections using a laser interferometer

## BENEFITS

- Save up to 50-60% compared to a new machine purchase
- Double the machine life
- Improve machine performance
- Improve productivity
- Improve part quality
- Reduce downtime
- Increase capacity
- Eliminate obsolete components
- Eliminate off-line programming
- Enhanced training tools
- Remote diagnostics



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Huffman Rebuild Service offers three standard programs, however you can upgrade specific options to your satisfaction. Choose the level of rebuild that best fits your requirements and budget.

PLATINUM	GOLD	SILVER	CAPABILITY UPGRADE OPTION
			Rebuilding the axes including rail sets and ballscrews for linear axes, new gears and bearings for rotary axes.
			Rewiring all axes
			Re-squaring the axes to each other; measuring positioning accuracy
			Installing a new spindle and spindle motor
			Installing a new PC-based control; upgrading to the latest Windows® software (Choice of Huffman OAC or GE Fanuc control)
			Installing new servo motors and drives
			Painting the machine exterior
			Touch probe
			Quick change toolholders
			Quick change wheel hubs
			Automatic wheel balancer

*Note: The Gold Rebuild Program will restore the machine to the original factory specifications. The Silver Rebuild Program is designed to restore mechanical integrity to the machine. It will not restore the machine to original factory specifications. It will, however, significantly improve machine performance and quality of the manufactured part.*

