

# DAVENPORT D/D MACHINE

## DAVENPORT SERVO B RETROKIT

### *Upgrade your Davenport Model B to a Servo Machine with the Davenport Servo Retrokit!*

You can have higher production, reduced setup time, and faster payback when upgrading your current Model B Davenport with a Servo Retrokit. The Servo Retrokit allows you to operate with simple PLC-based control and multiple Servo drive systems that eliminate 150 parts from the original, mechanical Model B.

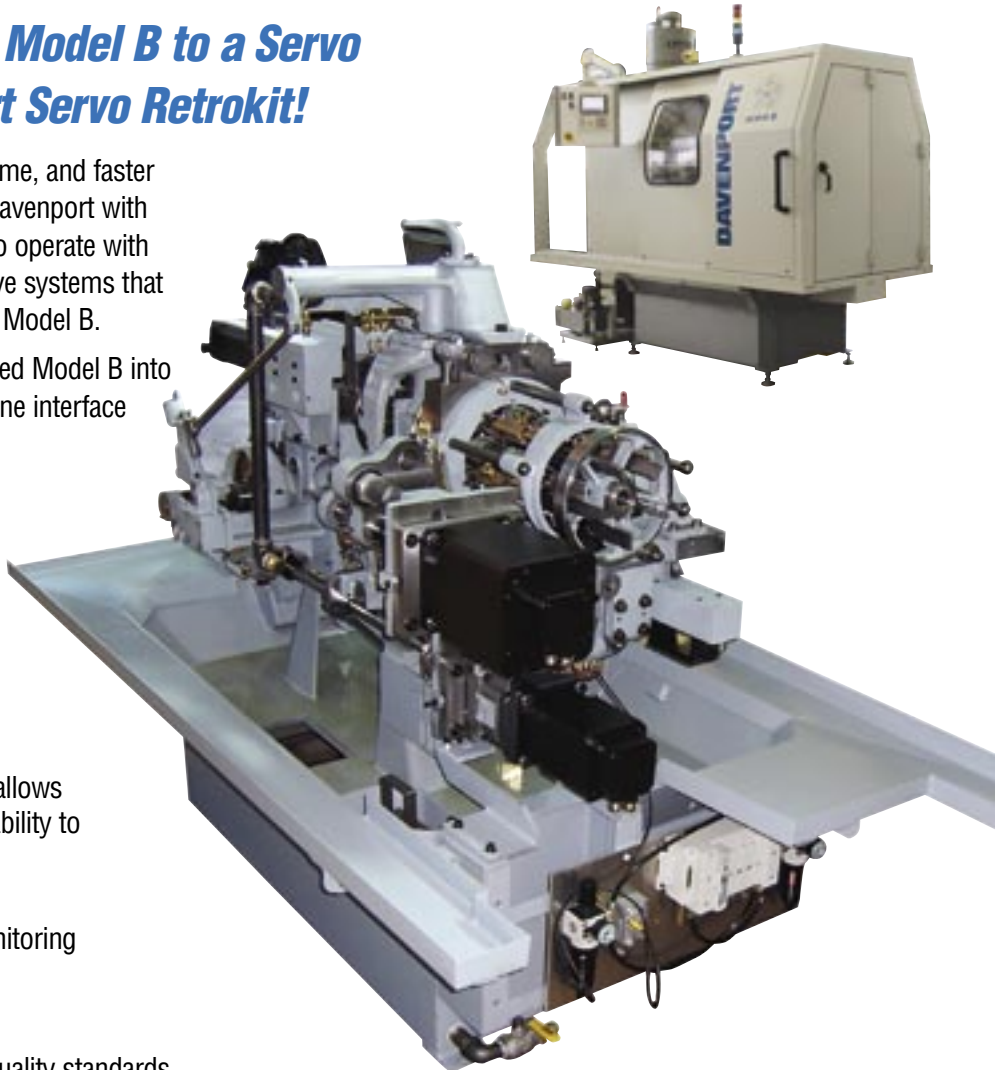
The Servo Retrokit will turn your manually operated Model B into a PLC-based operating system with a man-machine interface that allows for infinite speeds and feeds.

#### **Features:**

- Faster cycle times with as little as .3 seconds index and programmable index points
- More up time, less maintenance
- Easier setup
- Spindle speeds and feed infinitely variable from 0-3800 RPM
- Servo motion control has 6 axes of control and allows 100 job summaries to be stored on board with ability to store to a USB memory card
- Operator training is reduced
- Optional web server allows remote machine monitoring

#### **Upgrades Done Right:**

- Retrokit uses factory OEM parts of the highest quality standards
- Machines are inspected and assembled by trained and experienced factory technicians
- Many optional attachments are available for application specific needs
- Noise enclosures and safety door interlocks are available to conform to OSHA requirements
- Optional High Precision (HP) Head and Spindles are available from the factory



**Consult with a Davenport representative to see if your older Model B is a candidate for the Servo Retrokit. Call 1-800-344-5748 Today!**

**DAVENPORT**  
D/D MACHINE

*Do It On A Davenport.*



**Made in USA**

## **THE DAVENPORT SERVO B RETROKIT INSTALLED INCLUDES:**

- Retrokit Manual
- Motor Mount Assembly
- All Principle Shafts for Servo Drive
- Encoder Assembly
- Motor Driven Coolant System
- Servo Electrical Package for 480 Volt (transformer is required for voltage other than 480)
- Single Cycle Lube System with Level & Low Pressure Sensing
- MMI Package

### **Additional Servo options also available:**

- Servo threading
- Stock depletion sensor
- Part length detector
- Web server option
- Noise tamer enclosure with optional door interlocks
- Pneumatic collet latch
- Broken cutoff detection
- Coolant level detection
- Stack light options
- Pneumatic part diverter
- Coolant pressure detection
- Servo Burring with optional 2-station backworking
- Broken tool detection
- Pneumatic collet closer



### **Machine Specifications:**

Voltage	480/3/60
Shipping weight	6,500 lbs.
Workpiece Size	7/8" Dia., 3/4" Hex, 5/8" Square x 3" Long
Spindle Speeds	0-3800 RPM
Lubrication	Bijur Automatic
Dimensions	219.5" L x 48" W x 85.5" H

Call today for a complete quotation and firm delivery.

# **1-800-344-5748**

# **DAVENPORT** **MACHINE**

167 Ames Street, Rochester, NY 14611  
PHONE - 1-585-235-4545 • FAX - 1-585-235-7997 or 1-800-866-6150  
www.davenportmachine.com • EMAIL - info@davenportmachine.com

## **OPTIONAL HP HEAD**

By redesigning and improving the manufacturing process for the revolving head and the five integral spindles, Davenport now provides the **High Precision (HP) Head** as optional equipment for a Servo Retrokit. The HP Head will improve part quality while still maintaining the speed of the Davenport.

The improved accuracy of the HP Head also opens the door for many single-spindle shops to look to Davenport Machine for factory-engineered solutions for their longer production runs.



The new HP Head design has stiffened the machine revolving spindles by replacing bronze or needle bearings with ABEC 9 angular contact radial bearings. This improvement delivers spindle run-out consistently less than 0.0005".

The revolving head has remained consistent in its design, however, the manufacturing process has been upgraded to produce a more precise part. The result is a head that provides index repeatability to within 0.0006".

### **The New Davenport HP Head Provides:**

- **Increased spindle rigidity**
- **Improved part diameter accuracy**
- **Improved surface finishes**
- **Improved part roundness**
- **Less part taper and deflection**
- **2 to 3 times spindle life**
- **Improved spindle index repeatability**
- **Improved spindle run-out**
- **Wear resistant coating that reduces galling and increases revolving head life**