

# ORION CNC RETROFIT Features & Specifications

## STANDARD FEATURES

- 220V Single Phase
- 3 HP Variable Frequency Drive
- PLC Control Panel  
Does Not Require a PC / Windows
- Precision Ballscrews
- Inch, Metric Programming
- MPG (Jog) Wheel
- 4th Axis Ready
- Lockable Cabinet Door With Safety Interlock
- USB Interface
- 500 Watt Braking Resistor
- High Efficiency Cooling Fan With User Replaceable Filters
- 400 Watt True Servo Motors
- 6 Relays For Controlling Peripheral Devices Through M-Functions
- Pre-wired for Power Drawbar Safety Lockout Solenoid
- Made In The USA

## OPTIONS

- LED Worklight
- Automatic Oiler
- 5 HP VFD
- Hand Held Pendant  
Wireless or Wired
- Power Drawbar
- 4th Axis/Rotary Table
- Transformer For Other Input Voltages
- CE Compliant Version
- Conversational Software
- Power Drawbar Lockout Solenoid
- Coolant Mister
- Machine Vise
- Tooling - Drills, Taps, End Mills, Etc.

## ALSO AVAILABLE: ENTRY LEVEL CONTROL PANEL WITH OTHER MOTOR/DRIVE OPTIONS



- Cost effective Entry Level Panel
- 3.5" Screen
- 16MB Storage
- 3 Versions Available:  
Inch  
Metric  
Conversational

Proudly manufactured in the USA by  
**Servo Products Company**

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**SERVO**



**SERVO ORION  
CNC Retrofit  
Packages**

[www.servoproductsco.com](http://www.servoproductsco.com)

# The Most Cost Effective and Versatile CNC Retrofit Packages On The Market!

*Our CNC retrofit will save you money by allowing you to run less complex jobs on the retrofit machine instead of tying up more expensive machining centers. The benefit will be better use of both the CNC mill and your machining center resulting in more \$avings.*



- 1, 2, 3, or 4 Axis Kits
- The Package Shown is a 3 Axis Kit (4th Axis Ready) With Deluxe Panel
- Frequency Drive Included
- Full 3/4 Axis Simultaneous Control
- Precision Ballscrews Included
- All Mounting Hardware Included
- Easy Installation  
As Easy As Installing Power Feeds  
No Complex Boxes, Brackets,  
Belts, Pulleys Etc.

100% Designed and assembled in the USA!



**Lathe CNC Retrofit Packages Now Available! Call for Info!**

## CUSTOM DESIGNED PLC CONTROL PANEL PACKED WITH FEATURES



USB Interface

Bright 8" LCD Color Display

Emergency Stop Button

User Friendly Keypad

MPG Jog Wheel

## PROFESSIONALLY WIRED EQUIPMENT CABINET

We use the knee as the Z axis which gives you 16 inches of travel leaving the quill free for manual operations.



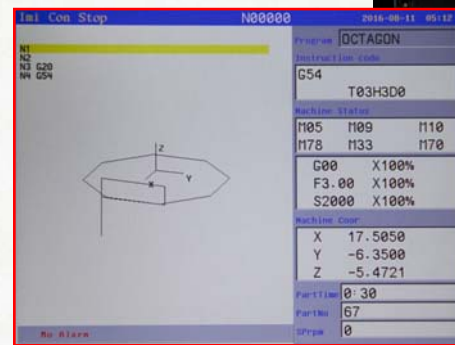
- VFD - Full Spindle Control
- 500 Watt Braking Resistor
- 4th Axis Ready
- Lockable Cabinet Door With Safety Interlock
- Prewired For Power Drawbar Lockout
- High Efficiency Cooling Fan With Replaceable Filter

## TRUE SERVO DRIVE MOTORS



X,Y,Z Axis Servo Drive Motors

- Motors Provide Up to 300 in/lbs of Torque
- 400 Watt True Servo Motors
- Maximum Rapid Travel Speed 95 IPM
- Uses Same Mounting Kits as Servo Power Feeds
- Easy Installation



Tool Path Graphics

Prewired Port for Optional Pendant

Bright LED Accessory Switches

See a demo of a working Orion CNC retrofit on our Servo Automation YouTube channel!



Go to:

<https://www.youtube.com/watch?v=6NEymvJWd4o>

or simply scan the QR code to watch.

Watch for more videos in the coming months!



- 64Mb internal system memory
- 32Mb user storage (program capacity).
- 640x480, 8 inch full color LCD Display.
- High efficiency dual voltage switching power supply.
- Supports both Inch and Metric programming.
- Accepts standard G-Code format programming as well as macro instruction programming
- We include a Manual Pulse Generator (Jog Wheel), with optional wireless or wired pendant.

Florida

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Ohio

440-942-9999

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