CSP SERIES

**Cnc Servo Package**

* Does not include PC

BRIDGEPORT PACKAGE SHOWN

**FEATURES:**

- Full Featured 3 Axis CNC Servo Controller
- 19” rack mount Power Box
- Contains Amps, Pwr supply and interface boards
- 3 Servo Drive Units or 3 Servo motors
- 4 axis DSP CNC controller card (req 1 ISA slot)
- CNC Software
- Cables, Manuals
- Control for CNC Gantry, Milling machines, Engravers, Laser, plasma, Waterjet Cutters
- 4th axis capability now available

All CSP packages now available with Galil3 axis ECONO series PCI controllers and GCNC software. Add 400.00 to CSP price (see GCNC software description for details on software differences)
The CSP series servo controls from JRA are full featured 3 Axis PC based controls ideally suited for retrofitters, machine builders, and machine owners looking for an affordable, high performance motion control system. All systems include everything needed to get your machine up and running with minimum effort. Just install the motion control card in your PC compatible computer, load the software, attach the motors to the machine and you are ready to run.

SOFTWARE
Our software is unsurpassed in ease of use and functionality. Large real time position displays allow the operator to easily see the current axis position from across the room. Feed override allows changing feedrate in motion from 0-200%. MDI, JOG and AUTO modes look just like a standard CNC front end. Full GCODE support includes canned cycles, drill cycles, peck cycles, cutter compensation tool length offsets, work offsets, tool changes and more. An onscreen editor allows programs to be modified or created easily and quickly. Large cnc files may be loaded > 10MB for users using cam systems to generate tool paths. The block look-ahead feature (1000 blocks) insures smooth contouring on CAM generated toolpaths consisting of small block segments by looking ahead in the path 1000 blocks.

Onscreen graphics allow the path to be viewed in isometric, plan, side views prior to running. Machine parameters may be configured in software to set up for your particular machine elements such as travel, counts per inch, jog rates, rapid rates, feed rates, backlash and more. Mcodes allow control of auxiliary functions like coolant, spindles, etc.

The optional gcode translator allows plot files created in AutoCad to be converted into standard gcode files. The Translator is ideal for Plasma cutting, Engraving, Laser cutting. The ability to control a 4th axis is now available. Please call or email for more information.

FLEXIBILITY
The CSP packages are configured in 3 basic sizes to properly match your application. Sizing packages means you don’t buy more performance than your application requires. These sizes range from Desktop CNC with smaller amps motors and power supplies all the way to our bridgeport retrofit series designed for a direct motor replacement for BOSS 3-6 controls.
DC Servo Motors

Pricing for complete 3 axis systems 1/01

CSP-1
FOR USE ON : DESKTOP CNC MACHINES
USES 5.9:1 GEAR MOTOR
ABOUT 200 IN/MIN RAPID
100 IN/MIN FEED
59575 ENCODER COUNTS/IN
THRUST = 200LBS MAX

$2100.00

CSP-2
FOR USE ON : DESKTOP CNC/GANTRYS
USES NEMA 23 MOTOR
200 IN/MIN RAPID
150 IN/MIN FEED
25000 ENCODER COUNTS/IN (2.5:1 REDUC)
THRUST = 400 LBS MAX

$3100.00

Pricing continued on next page
<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>CSP-3</td>
<td>For use on: CNC milling machines/heavier gantry</td>
<td>$4200.00</td>
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<tr>
<td></td>
<td>Uses NEMA 34 motor</td>
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<td></td>
<td>About 200 in/min rapid</td>
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<tr>
<td></td>
<td>150 in/min feed</td>
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<tr>
<td></td>
<td>25000 encoder counts/in (2.5:1 REDUC)</td>
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<td></td>
<td>Thrust = 800 lbs max</td>
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<td>BSR-2</td>
<td>Bridgeport Boss 3-6 Retrofit package</td>
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<td>Uses NEMA 34 motor</td>
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<tr>
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<td>90000 encoder counts/in (4:1 REDUC)</td>
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<tr>
<td></td>
<td>Thrust = 900 lbs max</td>
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<tr>
<td></td>
<td>* Rate and thrust info based on 5 pitch ballscrew</td>
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<tr>
<td>I/O pack</td>
<td>4 SSR @ 10a outputs</td>
<td>$200.00</td>
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<td></td>
<td>3 opto-isolated home limit inputs</td>
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<td></td>
<td>For use with Mcodes and Home limits</td>
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<tr>
<td>AutoCad plotfile Translator</td>
<td>Converts AutoCad plot files</td>
<td>$50.00</td>
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<td>To GCODE for ACAD ver 10-12</td>
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**MAKE CHECKS PAYABLE TO:**  
**JRA**

**50 % DEPOSIT REQUIRED**  
**ALLOW 3-4 WEEKS DELIVERY ARO**

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