



TURBO DRIVE

Wait 'til you see it in action!



- Electronic limits with no external switches to mount
- Low maintenance brushless DC variable reluctance (VR) motor
- Peak torque is 200 in.-lbs.
- Lift heavy knees such as the Bridgeport Series II or Lagun Deluxe
- Set a zero position and use the digital display for rough positioning (0.1" resolution)
- Rapid for table and cross is 80 inches per minute (ipm)
- Feed rate ramps from 0 to 50 ipm in 4 seconds or slower at 0.1 ipm increments
- Digital feed rate control lets you select exact feed rates (0.1 ipm resolution)
- Smooth finish at feeds as low as 0.2 ipm
- Electronic-assist when used with muscle power
- Fluid-resistant design

SERVO TURBO DRIVE SPECIFICATIONS

<ul style="list-style-type: none"> Motor type: Low-maintenance brushless DC variable reluctance (VR) motor 	<ul style="list-style-type: none"> Control type: Digital closed-loop design uses a capacitive encoder and ASIC-controlled IGBT amplifier
<ul style="list-style-type: none"> Torque: <ul style="list-style-type: none"> – Peak 200 in.-lbs. – Intermittent 150 in.-lbs. – Continuous 100 in.-lbs. 	<ul style="list-style-type: none"> Gear reduction ratio: 20:1 (motor to lead screw) Lifts heavy knees such as the Bridgeport Series II and the Lagun FTV3 and Deluxe
<ul style="list-style-type: none"> Feed rates: <ul style="list-style-type: none"> – Table and cross (5 pitch) 0.1 to 50 ipm – Knee (10 pitch) 25 ipm max. Smooth finish at feeds as low as 0.2 ipm 	<ul style="list-style-type: none"> Rapid: <ul style="list-style-type: none"> – Table and cross (5 pitch) 80 ipm – Knee (10 pitch) 40 ipm Electronic-assist when used with muscle power
<ul style="list-style-type: none"> Faster and slower keys allow feed rate changes of 0.1 ipm with each key press Hold the key and the feed rate ramps from 0 to 50 ipm in 4 seconds; then back to zero in 4 seconds Digital display shows feed rate to 0.1 ipm resolution 	<ul style="list-style-type: none"> Positioning: <ul style="list-style-type: none"> – Set zero position at any point – Position display lets you keep track of lead screw turns within 0.1° resolution Note: Metric lead screws are not supported
<ul style="list-style-type: none"> Electronic limits: no external switches to mount 	<ul style="list-style-type: none"> Fluid resistant design
<ul style="list-style-type: none"> Unit symmetry allows you to mount it on the right or left end of the table and facing right or left on the cross 	<ul style="list-style-type: none"> Over temperature detection protects the unit in overload conditions
<ul style="list-style-type: none"> Weight: approx. 13 lbs. (without mounting hardware) 	<ul style="list-style-type: none"> Electrical: 110 volt AC, 50/60 Hz, 6 amps

Warranty: One year parts and labor at the factory



SERVO TURBO DRIVES mounted on the table, cross and knee of a Lagun Deluxe mill.
(Machine courtesy of Republic-Lagun, Carson, CA)



- ◀ Left Arrow moves table left; [Left LED] On when moving left; LED blinks when on or outside limit
- ▶ Right Arrow moves table right; [Right LED] On when moving right; LED blinks when on or outside limit
- [Rapid] Press to increase speed to rapid if moving
- [Stop] Press to stop all movement
- [Faster] to increase feed rate; [Slower] to decrease feed rate
- [ON] LED is lit when control is on, blinks when over-temperature
- LED Display – shows feed rate 00.0 ipm; position 00.0 inches
- [Position/Speed] Toggle key; press to display feed rate in ipm; Display shows position as default setting
- Press ◀▶ [set limits] to drag or set electronic travel limits
- [0] Press to set position display to 00.0



Proudly manufactured in the USA by

SERVO PRODUCTS COMPANY

433 North Fair Oaks Avenue, Pasadena, CA 91103 USA
Ph (800) 521-7359 or (626) 796-2460; Fax (626) 796-3845

Prices, specifications and design subject to change without notice

Specifications subject to change at any time. 908
© Servo Products Company, Pasadena, CA 1998