

Servo TYPE 350 X power feed



Since 1964, Servo Products Company continues to be a trusted name in the power feed industry. For nearly 60 years, we have sold our innovative designs worldwide. Beginning with the original Servo Power Feed, our engineers have utilized the latest technology in each model and are now proud to announce our newest and most technologically advanced power feed – the **Servo Type 350X**. Our team of engineers have created our most powerful and efficient

unit yet. Keeping the same compact design, we have reengineered our internal components to increase safety and versatility while improving performance.

Below is a list of our newest innovations:

- Brushless DC motor (BLDC) provides greater efficiency and increased reliability.
- Continual monitoring of limit switches/E-Stop status, motor speed, voltage, and current using microprocessor technology.
- Produces a minimum of 350 inch/pounds of **continuous** torque as low as 0.3 inches/minute feed rate. This unit replaces our previous Type 140/150/200, resulting in one power feed that can be used on all three axes.
- Shop-tested performance proves superior to the legendary “Bridgeport” 6F/8F power feeds.
- Extremely accurate speed regulation under varying load conditions, as well as dynamic braking for quick stops.

- Dual voltage capable with an internal connector position change on the circuit board, plus an extremely wide input voltage range (90vac to 145vac) and high voltage selection (195vac to 250vac), resulting in stable operation during power fluctuations.
- Utilizes 75% less current under the same operating conditions than the present industry standard brushed DC motor designs.
- Drive gear changed from Delrin to hard coat anodized 7075 aluminum for extreme reliability and ability to handle the high torque loads. Safety overcurrent protection has been added to the motor/gear drive circuit. No more stripped gears.
- The ability to easily convert the unit from a table feed to a knee feed.
- Only power feed on the market with a safety E-Stop button.
- The limit switches no longer have line voltage (115vac) through them, they now have 5vdc which is much safer in case of cable damage or cuts. No risk of electrical shock.
- Safety logic circuitry to prevent accidental operation after an emergency stop, or during power up. The power feed will not operate after the E-Stop is released if the direction handle is either in the left or right position. The direction handle must be returned to the neutral or off position, then the status LED will turn from red to blue letting you know you can now operate the power feed either right or left direction.
- The RAPID button incorporates a dual color LED that functions as a status indicator.





The table below shows the definition of the red LED flashing:

- 1 flash – Limit switch activation (left direction)
- 2 flashes – Limit switch activation (right direction)
- 3 flashes – E-Stop activation
- 4 flashes – Motor fault
- 5 flashes - Input power overvoltage
- 6 flashes – Input power undervoltage