

SERVO-TEK® Optical Encoders

SERVO-TEK PRODUCTS COMPANY, INC.

Hollow Shaft Encoders



ST50 Series High Performance Encoder

- Resolutions to 5000 lines, dual channel with index, brushless commutation
- 500 KHz bandwidth, -40°C to 125°C operating temperature, RS422 output
- 2.0 OD x 0.9 inches high, bores to 5/8 maximum
- Mounting #4-40 on 1.812 BC 2 places standard, others available
- Duplex bearings, flexible coupling, 360° commutation alignment

ST38 Series High Performance Encoder

- Resolutions to 2048 lines, dual channel with index
- 200 KHz bandwidth, -10°C to 100°C operating temperature, RS422 output
- 1.5 OD x 0.9 inches high, bores to 3/8 maximum
- Mounting #2-56 on 1.280 BC 2 places standard, others available
- Duplex bearings and flexible coupling

PT Series Modular Encoder

- Resolutions to 1024 lines, dual channel with index
- 100 KHz bandwidth, 0°C to 70°C operating temperature
- 2.0 OD x 0.9 inches high, bores to 3/8 maximum
- Mounting #4-40 on 1.812 BC 2 places standard
- Easy push-on hub attachment

Shaft Encoders



ST25 Series Industrial Encoder

- Resolutions to 5000 lines, dual channel with index
- 6000 RPM, shaft load 30 lbs radial and 30 lbs axial
- 2.5 OD x 2.5 inches minimum height, 3/8 or 1/4 inch stainless steel shaft
- Flange, face, servo or PY mounting available
- Protection to IP66, dust-tight, water jets

ST20 Series Heavy Duty Sealed Encoder

- Resolutions to 2048 lines, dual channel with index
- 6000 RPM, shaft load 20 lbs radial and 20 lbs axial
- 2.0 OD x 1.6 inches minimum height, 3/8 or 1/4 inch stainless steel shaft
- Flange, face or servo groove mounting
- Protection to IP64, dust-tight, water splashes

ST32 Series Light Duty Encoder

- Resolutions to 100 lines, single or dual channel
- 10,000 RPM, shaft load 4 lbs radial and 10 lbs axial
- 1.25 OD x 0.9 inches minimum height, 3/16 or 1/8 inch stainless steel shaft
- Face or servo groove mounting
- Protection to IP50, dust-protected

PM Series Light Duty Encoder

- Resolutions to 120 lines single channel or 60 lines dual channel
- 10,000 RPM, shaft load 1 lb radial and 1 lb axial
- 1.25 OD x 0.9 inches minimum height, #10-32 threaded shaft
- Face or servo groove mounting
- Protection to IP40, enclosed