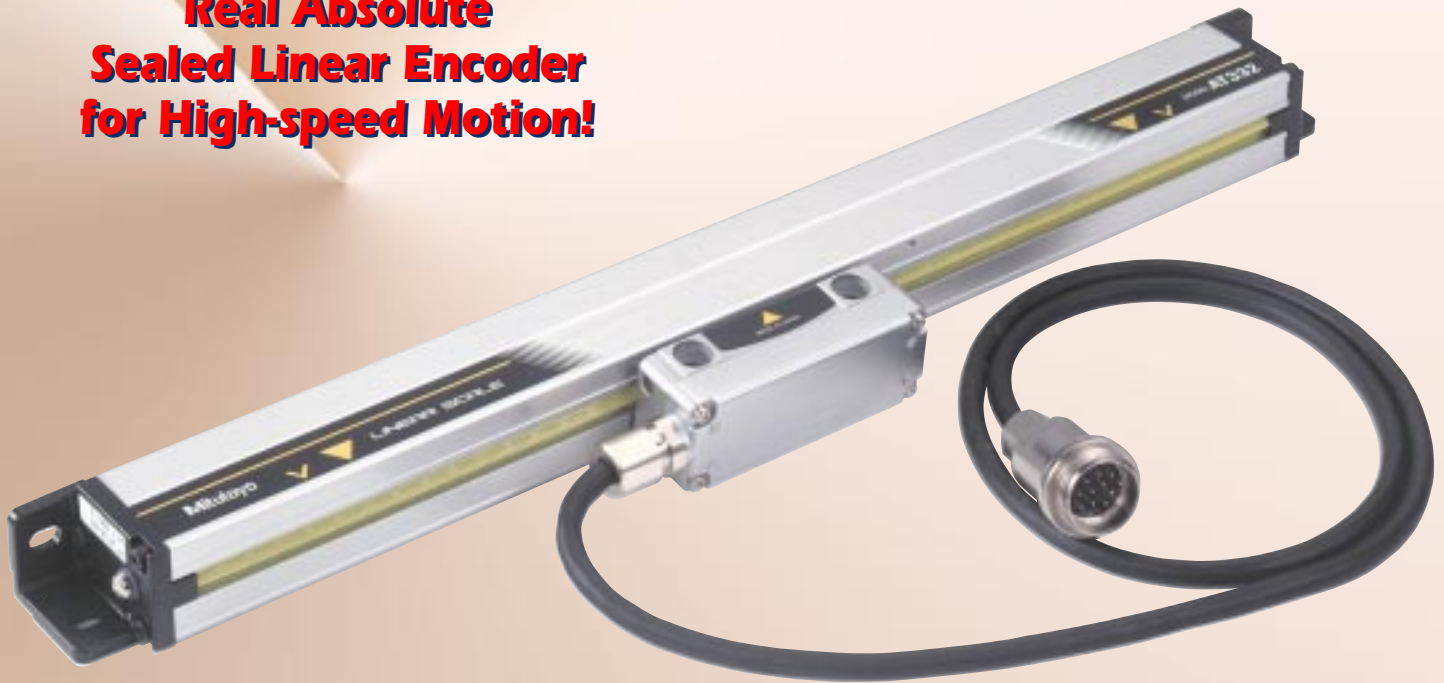




AT332

SERIES 539 Sealed Linear Encoder

**High-accuracy
Real Absolute
Sealed Linear Encoder
for High-speed Motion!**



FEATURES

- Hybrid real absolute glass scale with electrostatic capacitance/photoelectric technology.
- No origin point restoration required.
- 0.5 μ m resolution.
- High response speed of 1.83m/sec (110m/min).
- Direct connection with FANUC NC controller.
- Good protection against harsh environment.

APPLICATIONS

- Position feedback for NC control of machining center, lathe machine, etc..

SPECIFICATIONS

Scale	Graduation	20 μ m
	Material	Glass, Thermal expansion coefficient: (8 \pm 1) \times 10 ⁻⁶ /°C
Detecting method		Electrostatic capacitance/photoelectric type
Mounting method		End blocks
Accuracy (at 20°C)		Up to 1500mm: (3+3L ₀ /1000) μ m Over 1500mm: (5+5L ₀ /1000) μ m
Output interface		FANUC NC controller interface
Output method		Differential line driver
Main signal output pitch		2 μ m
Effective range		100 to 3000mm (20 models)
Resolution		0.5 μ m
Max. response speed		1.83m/sec (110m/min)
Supply current		300mA (max.)
Power supply		DC5V (\pm 5%)
Operation temperature		0°C to 45°C
Storage temperature		-20°C to 70°C

