

TRANSDUCERIZED ELECTRIC FIXTURED NUTRUNNER



**New solution with a downsized concept
which provides advantages of high speed and light weight**

1 High speed and Light weight

- ▶ Improving the productivity by shortening the cycle time
- ▶ Being suitable for the automatic tightening with various types of robot (Linear, SCARA, Articulated)

2 Reducing running cost

- ▶ Compatibility with the current system (Z50 series)
- ▶ Compatibility on the mounting dimensions with the current tools (10Nm and 30Nm tools)

3 Flexibility on the various tightenings

- ▶ Straight and Offset are available
- ▶ Applicable for a narrow pitch and multi-spindle

Tool Unit Specifications

Model	ENRZ-TC002R-S	ENRZ-TC002R-O	ENRZ-TC004R-S	ENRZ-TC004R-O
Type	Straight	Offset	Straight	Offset
Weight (Kg)	1.8	2.2	1.8	2.2
Rated Torque (Nm)	20		40	
Applicable Torque Range (Nm)	2~18		4~36	
Max. Speed (rpm)	1960		1120	
Torque Converter	Strain gauge, Built-in amplifier			
Torque resolution for display (Nm)	0.01			
Angle Detector	Resolver			
Angle resolution for display (deg)	0.1			
Dynamic torque accuracy	$3\sigma/\bar{X} \leq 2\% \text{F.S.}$			
Output Drive	9.5mm sq.			

Control unit and Accessory

	Model	Specification
AXIS Control Unit	ENRZ-AU50R-20	Ver. AA1310 or later
Master Control Unit	ENRZ-MU50-***	Ver. MA1500 or later
Cable	Standard: 5, 10, 15, 20m Relay: 3, 6, 10, 15m (Torque Transducer, Motor, Resolver)	
Socket Assembly	TNA1-SA02-30	Anvil size 9.5mm sq.
Socket Adapter	TNA1-AD01-01	*Please consult with us if it is used for the tightening torque of 36Nm or above.
Management Software	ENRZ-PC50	Ver. 1.3.13 or later
Display Unit	ENRZ-DP50-E/S	Ver. 1.30-E/S or later

*Please refer to the Fixture Nutrunner General Catalog for details.

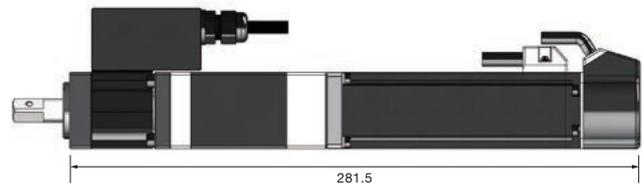


Fixture Nutrunner General Catalog

Dimensions (mm)

Straight

ENRZ-TC002R-S
ENRZ-TC004R-S



Offset

ENRZ-TC002R-O
ENRZ-TC004R-O



CAD data is available in <https://www.estic2.com/caddata/>



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- The colors of the products may slightly differ from those of the actual products, which is inevitable in printing.
- The specifications and designs of the products may be changed without prior notice.



This catalog uses vegetable oil ink.

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