

ELECTRIC ACTUATORS

Innovative solutions for Moving, Lifting and Gripping

**"Transforming industries through
Electric Actuators renowned for their
Precision, Accuracy and Reliability"**



Janatics is a leading manufacturer of pneumatic products in India. The company is located in Coimbatore, one of the most industrialized cities in India.

Established in the year 1977, the professionally managed ISO 9001:2015 & ISO 14001:2015 & 45001:2018 certified company has been serving the industry for over 4 decades.

It has wide reach across all segment and provides customer support through its own office spread across the country. National wide stockist provide immediate delivery support.

JANATICS

Over 4 Decades of Excellence



Electric Actuators

Electric Actuators are designed to perform specific movements, such as linear motion, in response to electrical signals and offers several advantages, including precise control, programmability and ease of integration with electronic systems.

Rodless type Electric Actuator

Rodless electromechanical Actuators support and transport loads to their desired locations throughout the stroke length.



Variants

- Rodless ball screw
 - Step-servo
 - Servo
- Rodless belt
 - Stepper
 - Servo

Benefits

- Long stroke length
- Higher speed
- Smooth and Precise
- Compact design
- Flexible mountings
- To carry high loads
- Reduce maintenance
- Maximize production efficiency
- Fully protected with covers

Technical specification

Type	Size (mm)	Accuracy & Repeatability (mm)	Stroke (mm)	Force (N)	Speed (mm/sec)
Rodless ball screw - Step-servo	44, 54	±0.01	50 - 1050	≤1147	≤1000
Rodless ball screw - Servo	44, 54, 82, 120	±0.01	50 - 1250	≤1388	≤1600
Rodless belt - Stepper	50, 65	±0.04	50 - 800	≤51	≤333
Rodless belt - Servo	50, 65, 102, 135, 170, 220	±0.04	50 - 3500	≤367	≤2000

* Subject to change

Rod type Electric Actuator



A Rod-type Electric Actuator is a linear motion device that utilizes a rod extending and retracting from a housing to generate linear motion, allowing it to push or pull objects in a linear direction. These actuators are commonly used in various industrial applications where precise pressing applications.

Variants

- Rod standard ball screw
 - Step-servo
 - Servo
- Rod VDMA standard ball screw
 - Servo

Benefits

- Robust and Versatile
- Simple design
- High precision
- High force applications

Technical specification

Type	Size (mm)	Accuracy & Repeatability (mm)	Stroke (mm)	Force (N)	Speed (mm/sec)
Rod standard ball screw - Step-servo	44, 54	±0.01	50 - 600	≤1147	≤1000
Rod standard ball screw - Servo	44, 54, 82, 120	±0.01	50 - 800	≤1388	≤1600
Rod VDMA standard ball screw - Servo	40, 50, 63, 80, 100	±0.02	50 - 2000	≤15288	≤500

Mini-Slide & Gripper



Mini-slides and Grippers are used for positioning and locking different components of equipment in place.

Benefits

- Easy interfacing with Robots & Cobots
- Torque modes

Technical specification

Type	Size (mm)	Accuracy & Repeatability (mm)	Stroke (mm)	Force (N)	Speed (mm/sec)
Mini-slide ball screw type	64.5	±0.02	30, 50	≤466	≤300
Gripper lead screw type	10, 14	±0.02	10, 14	≤98	≤50

Compatible Motors & Drivers



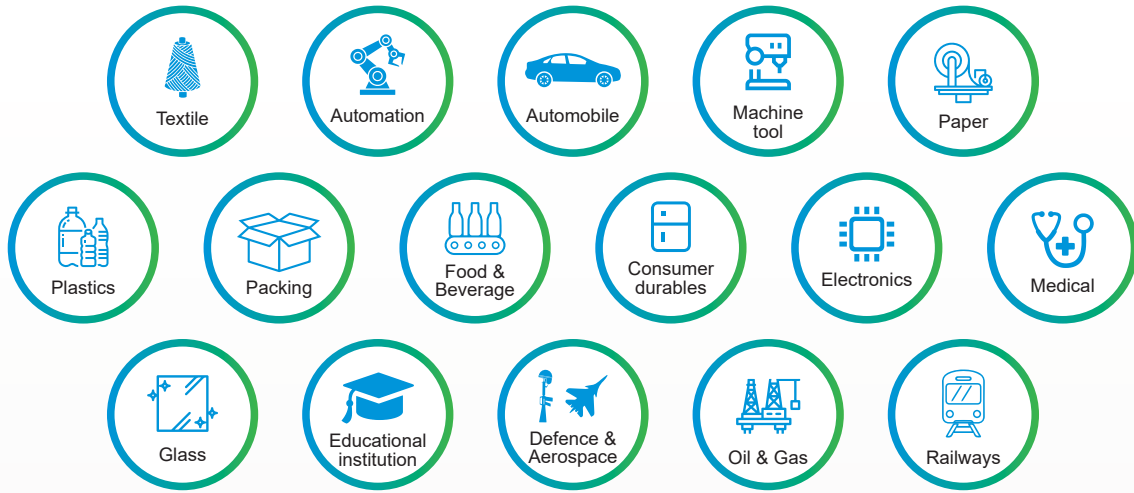
Achieve unmatched precision and control with High-performance step-servo and servo motors, perfect for all automation and robotics needs.

Benefits

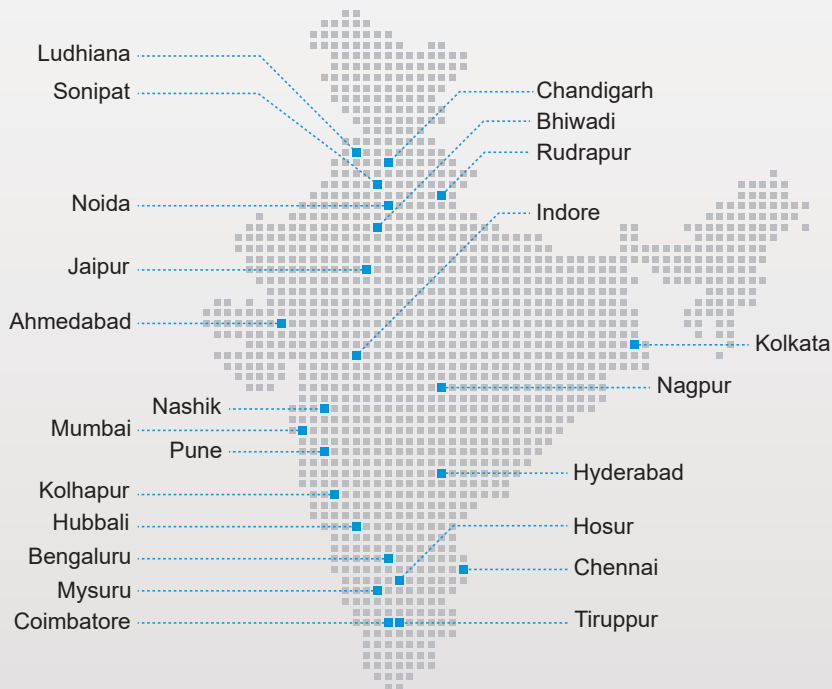
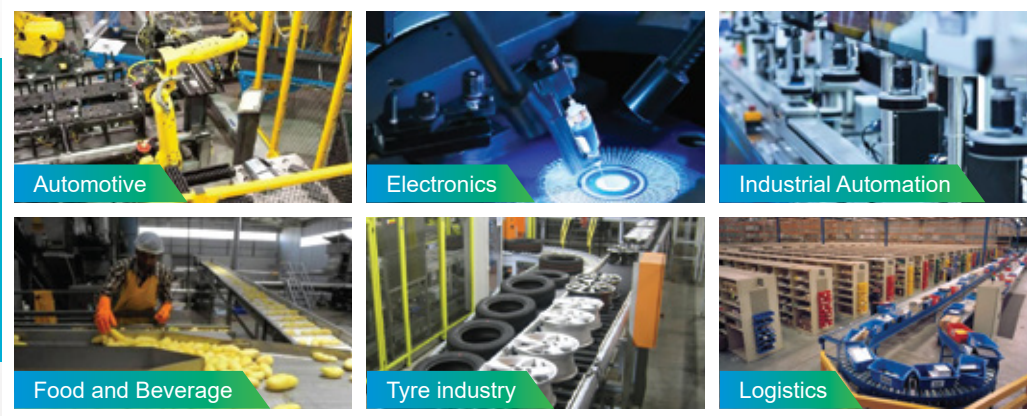
- Simple & Easy to configure
- Flexible brand of motors

Step-servo	Input voltage: 24V DC (±10%)
	Common DI/DO: 14 / 10 (NPN)
	Control mode: Pulse & Direction, RS485, I/O (127 points)
Servo	Motor brand: Customer specified servo motors
	Our standard brands: Mitsubishi, Delta, Panasonic, Omron

Industrial Segments



Industrial Applications



Marketed by:

JANATICS GLOBAL SOLUTIONS PRIVATE LIMITED

Rathinam Circle View, 4th Floor, B4 & C4, Race Course Road, Coimbatore - 641018, Tamil Nadu, INDIA
P: +91 422 2678500 | E: globaloffice@janatics.co.in

Marketing offices: Ahmedabad | Bengaluru | Bhiwadi | Chandigarh | Chennai | Coimbatore | Hosur
Hubballi | Hyderabad | Indore | Jaipur | Kolhapur | Kolkata | Ludhiana | Mumbai | Mysuru
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