



**LINEAR MOTION SOLUTIONS
SINCE 1987**

COMPANY PROFILE



MecVel celebrates 35 years from its foundation! The company was born in Bologna in 1987 and from the beginning, its core business has been designing, developing and producing electric linear actuators and mechanical screwjacks. These electromechanical devices transform the rotatory motion of a motor into a linear movement, pushing, pulling, lifting or positioning loads even higher than 20 tons.

The use of an electric system offers a series of benefits, including being environmental-friendly and easy to install. Moreover, the customization service provided by the company allows configuring each product according to customers' technical specifications, ensuring the efficiency and longevity of the application.



FACTS AND FIGURES

Foundation 10th September 1987

Stabilimento 2000 sqm

Staff 52

Turnover (2021) ~ 12 millions euro (50% domestic + 50% foreign market)

Production 62000 units have been assembled and sold in 2021.

The 70% of MecVel production is tailored on the specific requests of the costumer, in order to perfectly adapt to the final application

Certification Certified Quality Management UNI EN ISO 9001:2015 by TÜV Italia Srl

Sustainability all MecVel products are 100% electric. Electric actuators do not require the use of polluting agents to function, and the use of plastic in their prduction has been reduced to the minimum throughout years.



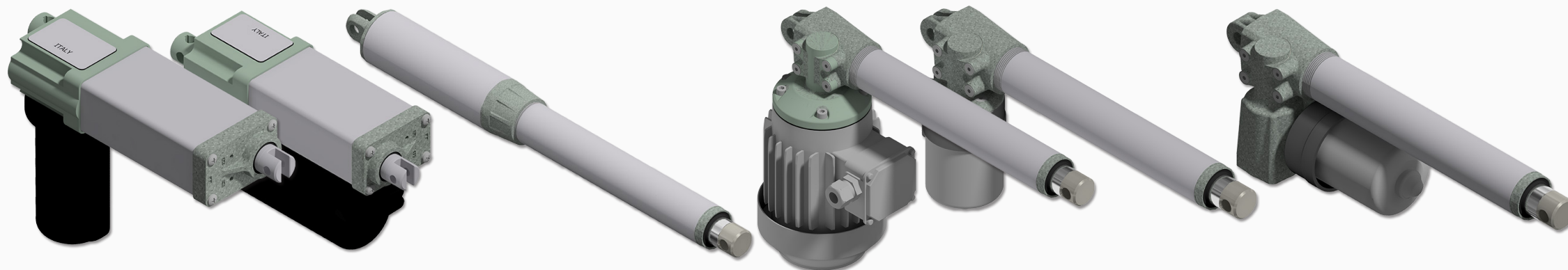
APPLICATIONS

AGRICULTURE	atomisers, sprayers, harvesting machines and irrigation systems
AGV	Automatic Guided Vehicles for robotics, logistics, automotive and breeding/zootechnics
DEFENSE	radar, mobile camp hospitals for civil protection and shelters
FOOD INDUSTRY	bottling and labelling machines, diverters, extruders, automated format changeover, guiding systems and end-of-line solutions
HEAVY INDUSTRY	steel and mining plants, diverters and conveyor belts
LEISURE	panoramic wheels, shading and stage systems
MEDICAL	incubators, physiotherapy, orthopaedic and rehabilitation machinery, ophthalmic and dental chairs, motorized chairs, X-ray equipment, stair lifts, surgery and veterinary tables
NAVAL	walkways, hatches, watertight and fire doors
PHARMA	mixers and spinners
PACKAGING	automated format changeover, guiding systems and end-of-line solutions
PLASTIC PROCESSING	plastic film, extruders and presses
RAILWAYS	wagons and railroad switches
RAW MATERIAL PROCESSING	glass/ceramic furnaces, marble and wood working machines
RECYCLING	conveyor belts, presses and waste compactors, dumpsters and waste containers
RENEWABLE ENERGIES	wind turbines, solar trackers and concentrators, dams and trash
ROPE-HAULED TRANSPORTATION SYSTEMS .. AND SNOW BLOWING EQUIPMENT	winter sports industry, snow-making systems and dust suppression guns
TEXTILE AND PAPER INDUSTRY	automated format changeover on winding machines



ELECTRIC LINEAR ACTUATOR

RANGE OF PRODUCTS



ALI1

ALI1-P

L02

ALI2

ALI2-P

Fmax
max speed
motor

1200 N
90 mm/s
DC

2500 N
16,5 mm/s
DC

2000 N
30 mm/s
DC

2500 N
110 mm/s
AC/DC

4200 N
30 mm/s
DC



ELECTRIC LINEAR ACTUATOR

RANGE OF PRODUCTS



L03

ALI3

ALI4

ALI4-P

Fmax	5000 N
max speed	30 mm/s
motor	DC

Fmax	6000 N
max speed	16,5 mm/s
motor	AC/DC

Fmax	10000 N
max speed	100 mm/s
motor	AC/DC

Fmax	15000 N
max speed	48 mm/s
motor	AC/DC



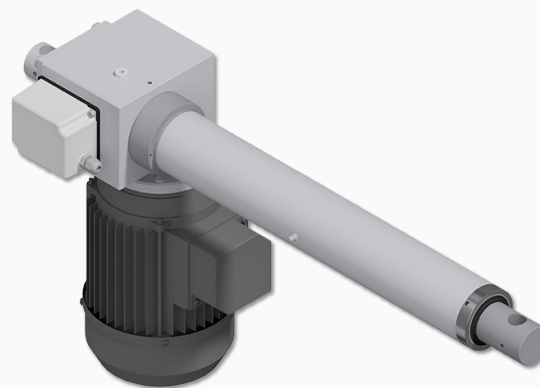
ELECTRIC LINEAR ACTUATOR

RANGE OF PRODUCTS



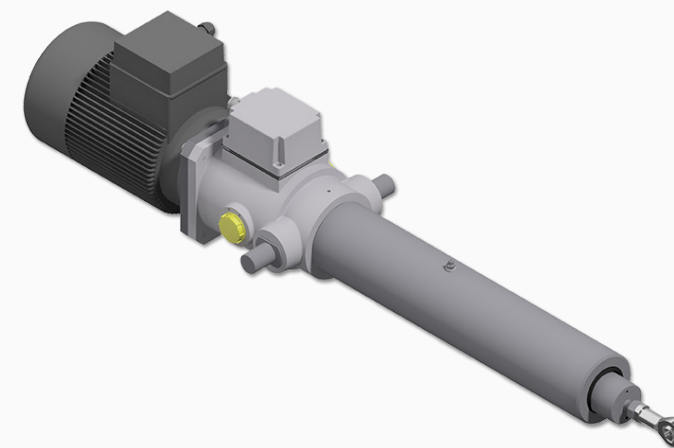
ALI5

Fmax	18000 N
max speed	113 mm/s
motor	AC



AV3

Fmax	25000 N
max speed	55 mm/s
motor	AC

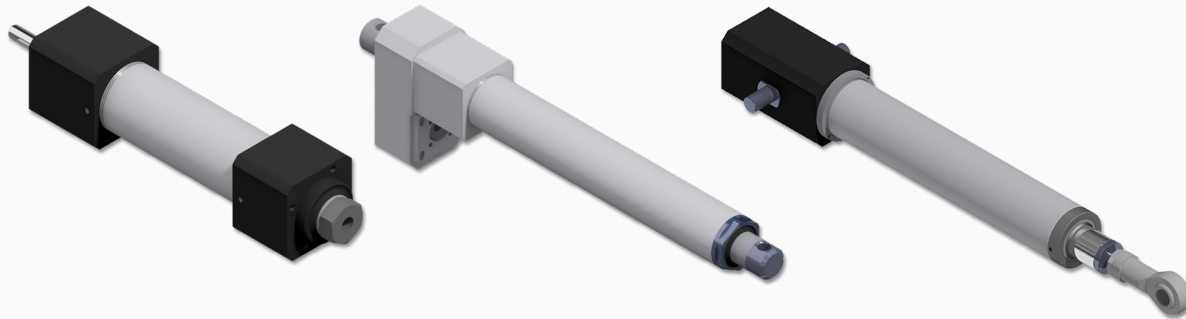


EC

Fmax	50000 N
max speed	230 mm/s
motor	AC



AM SERVO ACTUATION SERIES



Fmax: 15000 N
Max speed: 150 mm/s



3 models, each one with different sizes:

- **AM** with inline motor
- **AM-P** with parallel motor
- **AM-X** perfect to replace pneumatic cylinders

These products are oriented to servo-actuation as they can mount the latest generations of servo, stepper and brushless motors.

HRS SERIES



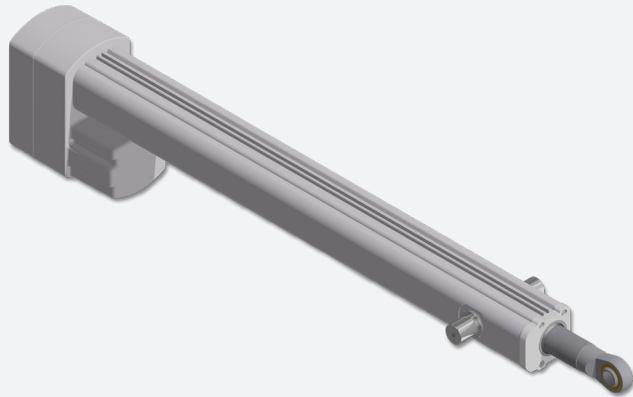
Fmax: 200 kN
Max speed: 65 mm/s
AC motor

3 sizes 50 kN - 100 kN - 200 kN

Hybrids between electric linear actuators and screw jacks, matching efficiency and flexibility of the ones to high load capacity and strength of the others. These series have been designed in particular for heavy industry and harsh applications.

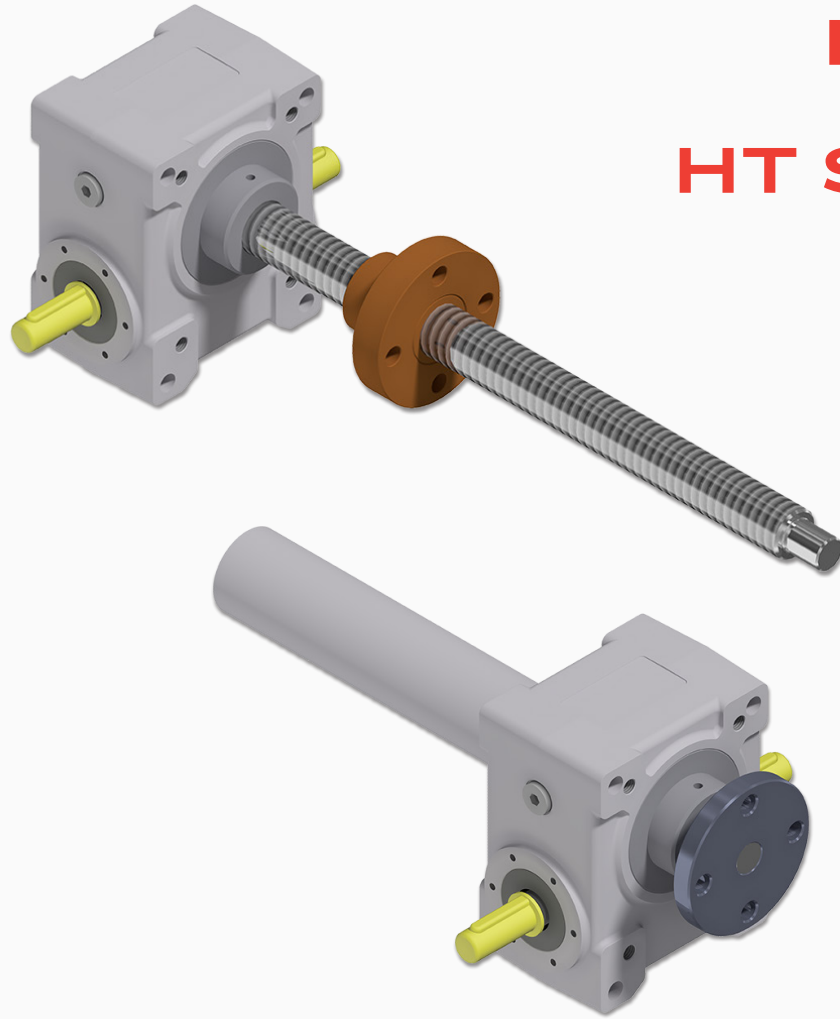


HP5 ACTUATOR



Fmax: 15000 N
Max speed: 5,5 mm/s
Parallel DC motor

This electric linear actuator was developed focusing on its performance. For instance, while the max dynamic force is applied (15000 N) the speed will be 2mm/s with 6 A of electric consumption. The HP5 is a sturdy actuator with high performances and low consumptions, that makes it perfect for the photovoltaic industry.



HR SCREW JACKS ROTATING **SCREW** **HT SCREW JACKS** TRANSLATING **SCREW**

6 sizes for model 5 kN - 10 kN - 25 kN
50 kN - 100 kN - 200 kN

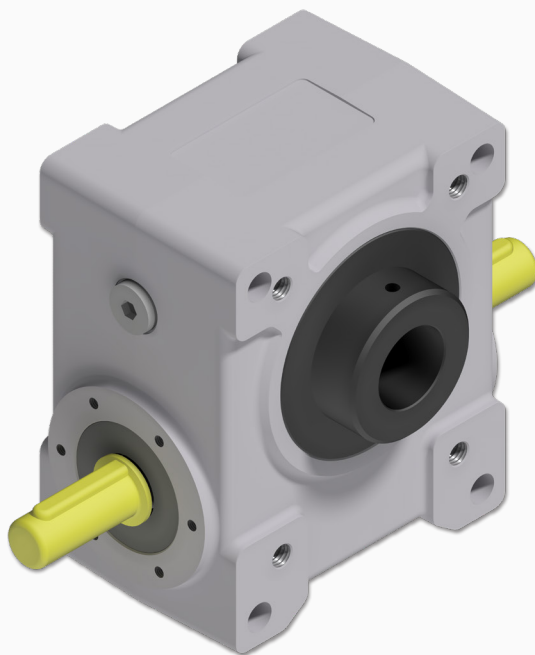
Screw (one for model) 18x4 - 20x4 - 30x6
40x7 - 55x9 - 70x10

Gear ratio up to 10 kN 1:4 - 1:10 - 1:16 - 1:30

Gear ratio up to 200 kN 1:5 - 1:10 - 1:30



KP GEARBOXES IN STOCK



KR Series corsa di lavoro di 500 mm
albero ingresso motore bisporgente
chiocciola

KT Series vite lunga 1000 mm
albero ingresso motore bisporgente

4 sizes for model 5 kN - 10 kN - 25 kN - 50 kN

Screw (one for model) 18x4 - 20x4 - 30x6 - 40x7

2 gear ratios for model 1:10 - 1:30



MecVel Technologies Private Limited was founded in New Delhi in 2017, as Indian head office of MecVel Srl.

The Asian market is getting through a development and automation process, and, as a result, the request for drive technology is increasing. Despite the Covid years MecVel Technologies is growing and becoming a reference for local costumers, both for technical support and sales assistance.

The core business is the trade of electric linear actuators and screw jacks. MecVel Technologies range of products is completed by a wide range of electric motors, gear boxes and electronic drives in order to provide complete and performing solutions, thanks to a network of strong partners and strategic commercial relationships.

PRODUCTION PLANT IN PUNE

The production plant has been open in 2019 in Pune, Nagar Road. The building is 6000 sqm, with a huge warehouse for the storage of commercial and ready-for-delivery products. The choice of allocating a lot of space to logistics allows to have large quantities in stock, ensuring immediate pickings and short shipping times. The other side of the company is for production, from assembly to testing to the after-sales service provided by MecVel Technologies staff, who follows each customer from the starting phases of the project development.



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