

# When you move. We move.

Rollon S.p.A. was founded in 1975 as a manufacturer of linear motion components. Today Rollon group is a leading name in the design, production, and sale of linear rails, telescopic rails, and actuators, with headquarters based in Italy and offices and distributors located throughout the world. Rollon products are used in many industries, providing creative and efficient solutions in a wide variety of applications.

## Rollon solutions for linear motion

Linear Line



Telescopic Line



Actuator Line



Actuator System Line



### Linear Rails

- Rails with roller bearings
- Rails with caged ball bearings
- Rails with recirculating ball bearing

### Telescopic Rails

- Rails with partial/total extension
- Heavy duty rails
- Rails for automated and manual applications

### Actuators

- Belt driven actuators
- Ball screw driven actuators
- Rack and pinion actuators

### Solutions for industrial automation

- Multi-axis for pick and place
- Telescopic actuators
- Seventh axis for robots
- Solutions for metal sheet handling

## Actuator System Line

The Actuator System Line is Rollon's series of industrial automation solutions. It has evolved from our single-axis Actuator Line in order to meet the most demanding needs of our customers.



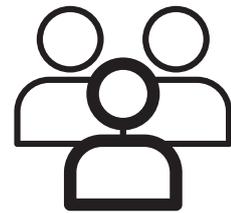
### > Standard solutions

Wide range of linear actuators  
Aluminum profiles with sizes up to 360 mm  
Belt, screw, or rack and pinion driving systems  
Bearing or ball recirculating linear guides



### > Collaboration

International know-how in several industries  
Project consultancy  
Maximizing performance and cost optimization



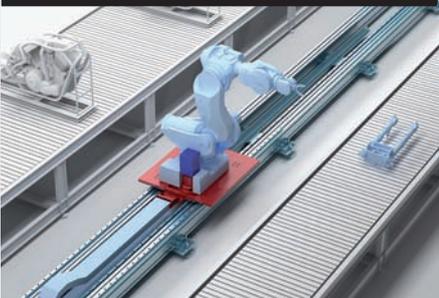
### > Customization

Specialty products  
Research and development of new solutions  
Technologies dedicated to different sectors

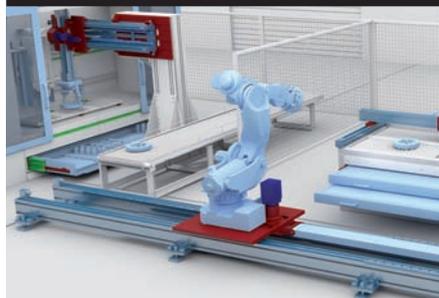


## Applications

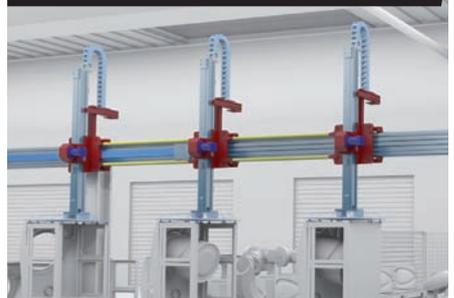
Seventh axis for robots



Automation solutions



Pick and place for metal sheets handling



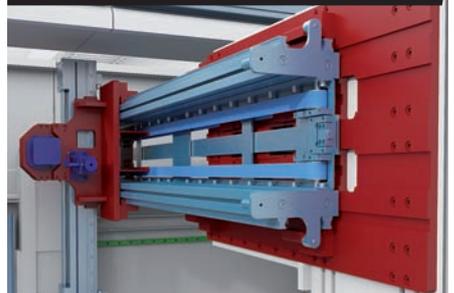
Multi-station press feeding



Metal sheet

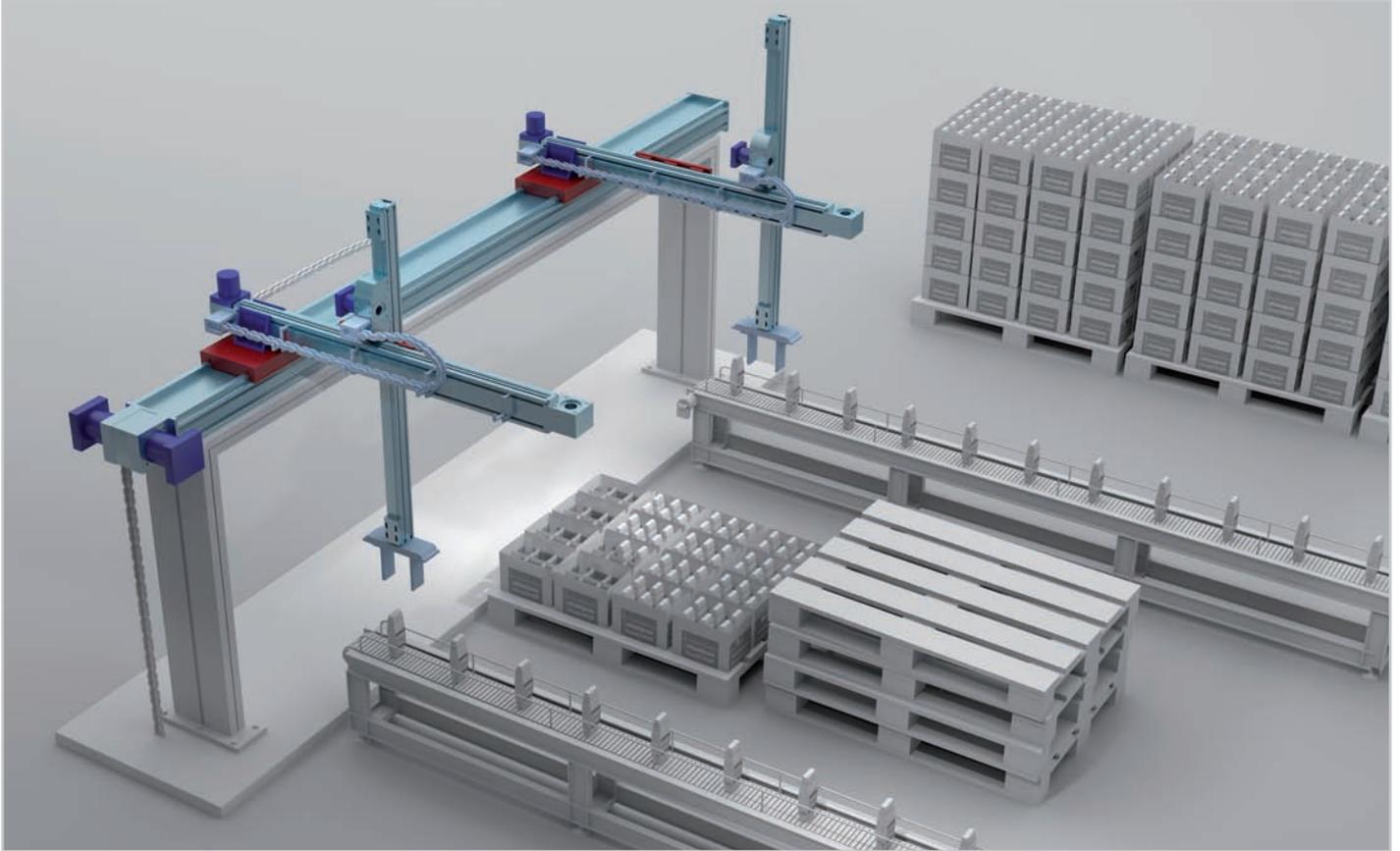


Space saving pick and place



# Actuator System Line

## > Multi-axis systems



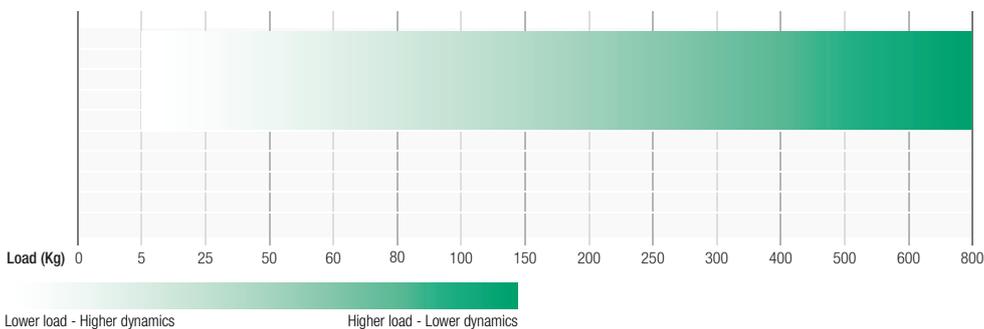
## MULTI GANTRY

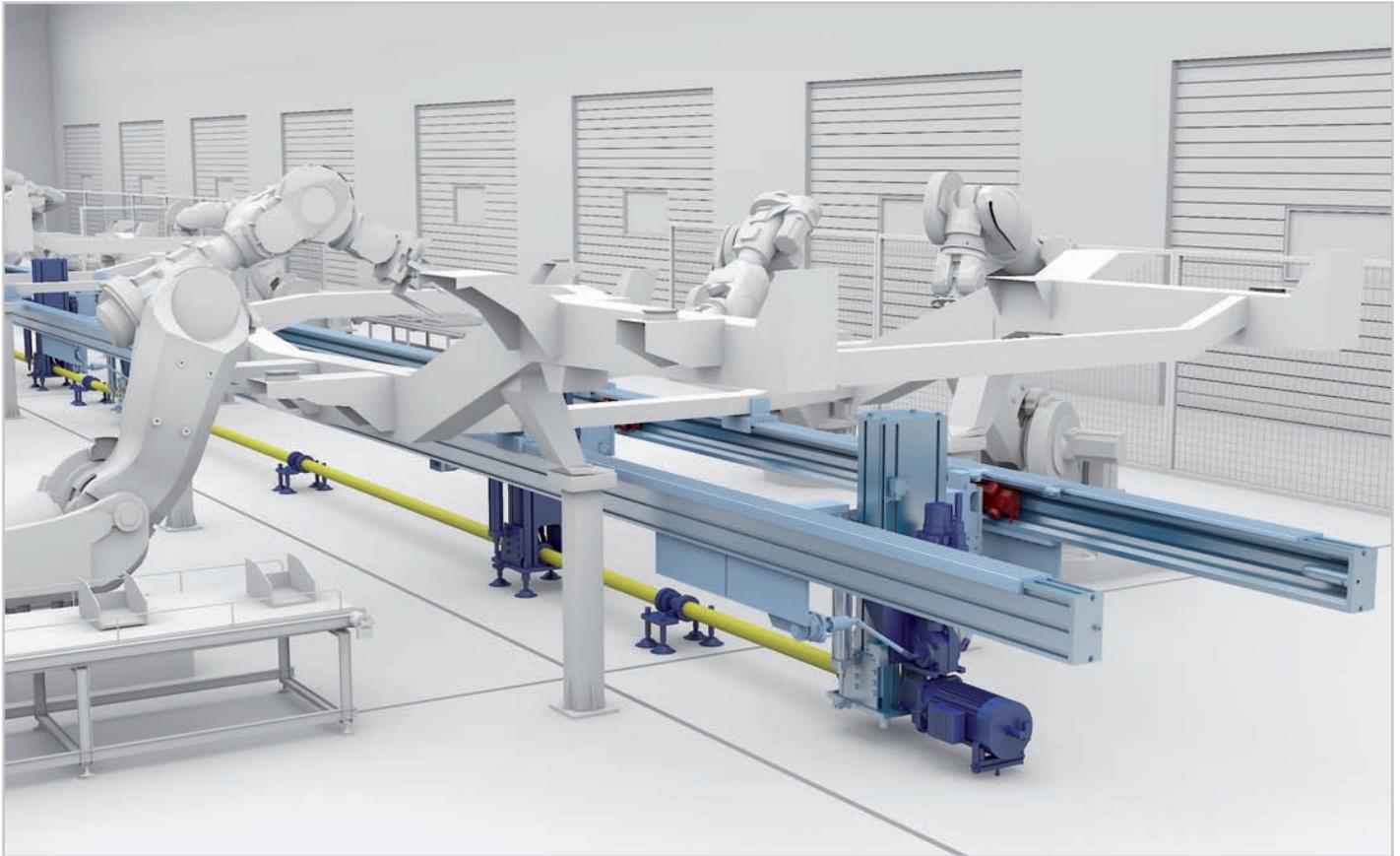
> Multiple X/Y/Z Cartesian systems with belt, rack and pinion, screw, and hybrid handling. Utilizing the modularity offered by the full range of our linear actuators (Actuator Line), highly customizable Cartesian systems are available to meet the specific needs of our customers.



## LOAD CAPACITY ACCORDING TO DYNAMICS

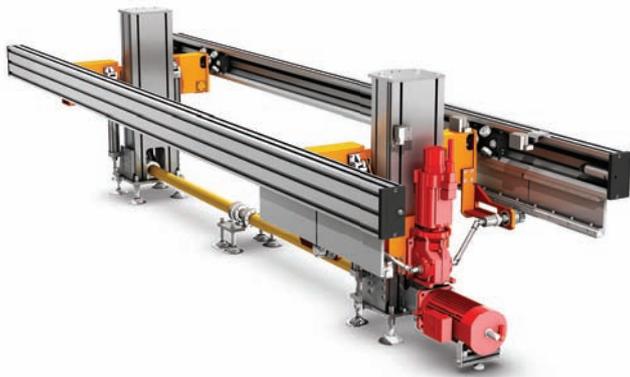
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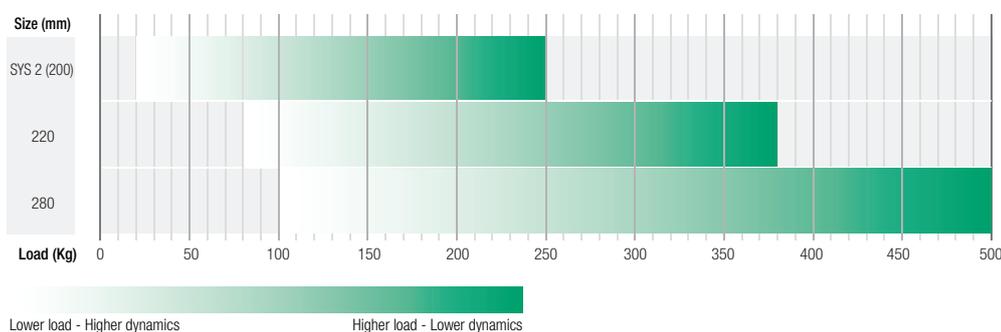
## LIFT AND MOVE

> “Lift and move” motion profile with multiple stations and long travel lengths. Synchronized movement system with hard anodized profiles. Polyamide nylon wheels with a rack and pinion system manage horizontal and vertical movement. Column modules carry out lifting movement via a recirculating ball screw drive. The column modules are operated with a single geared motor through a transmission with shafts and corner stops.

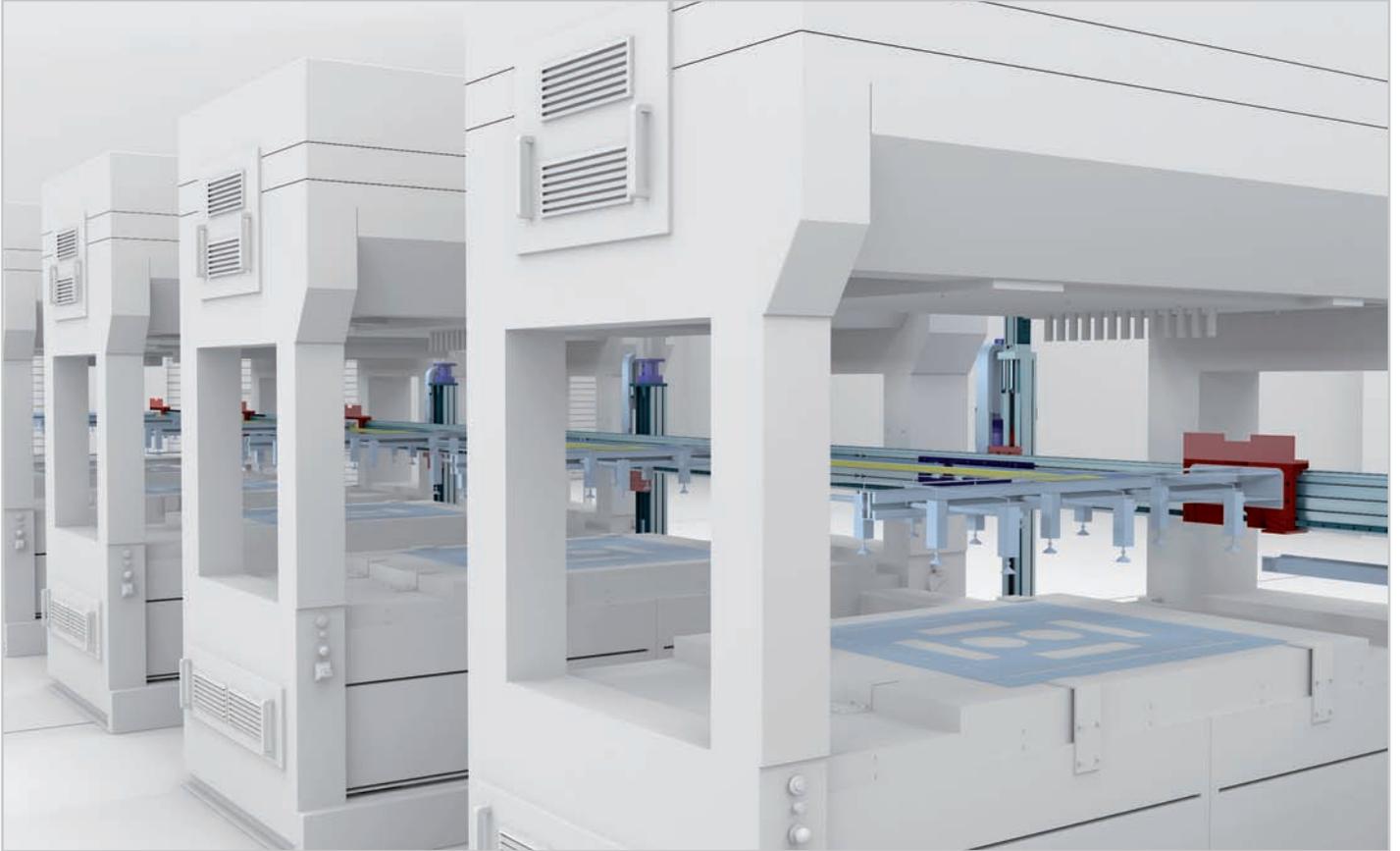


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# Actuator System Line



## TRANSFER PRESS

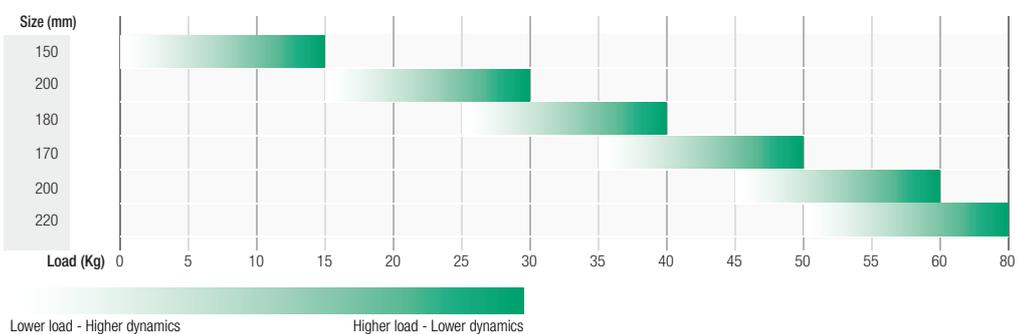
> Versatile transfer system for metal sheet handling, designed as the main element in a series of presses which eventually combine with load/unload systems.

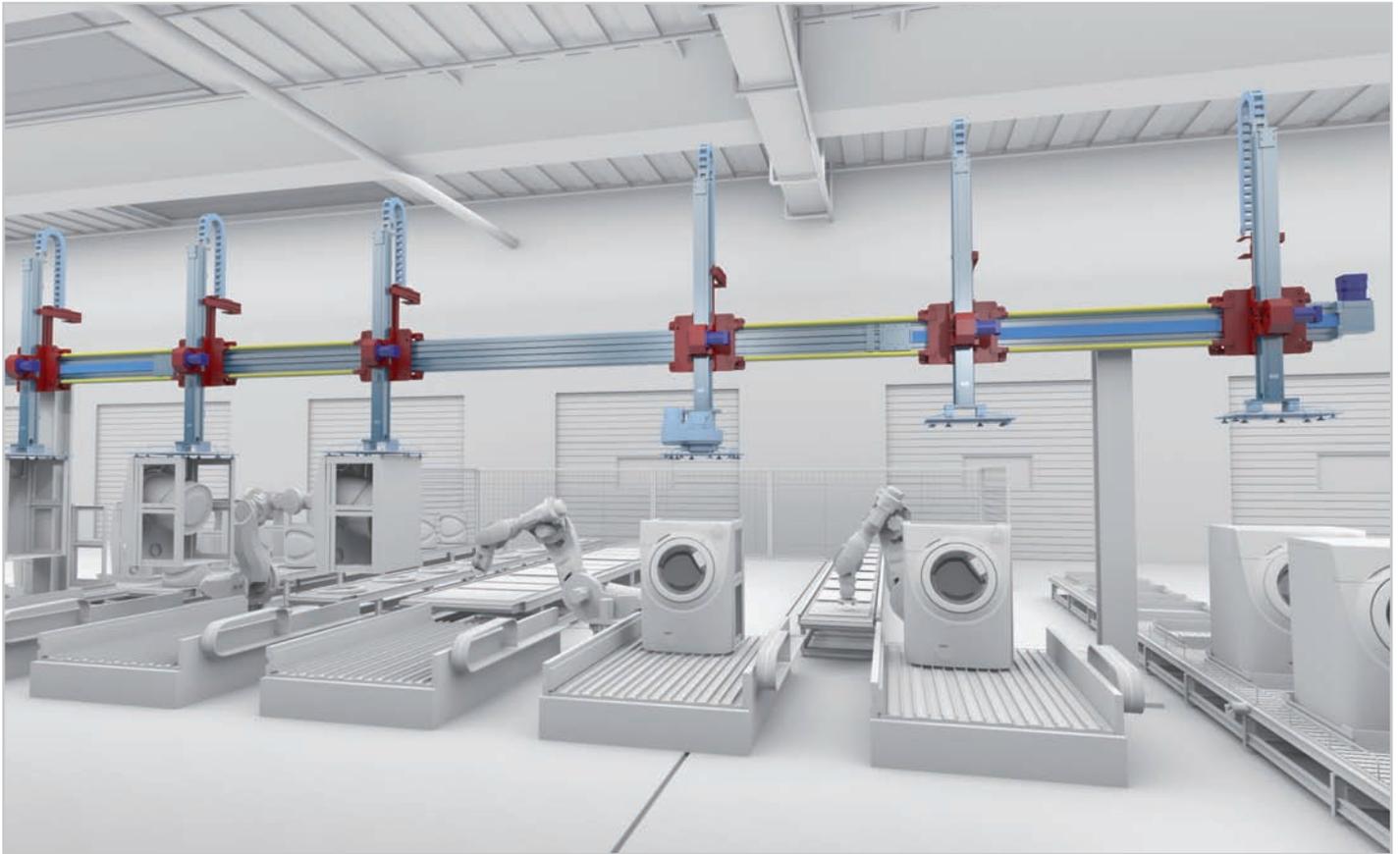
The system features high positioning precision with heavy duty cycles and high dynamics, and is also available for very extended lengths. It manages cantilever loads to keep one side of the series free for operations. The system is driven by a belt with  $\Omega$  transmission. The Z axes can be placed at different distances, according to the loads.



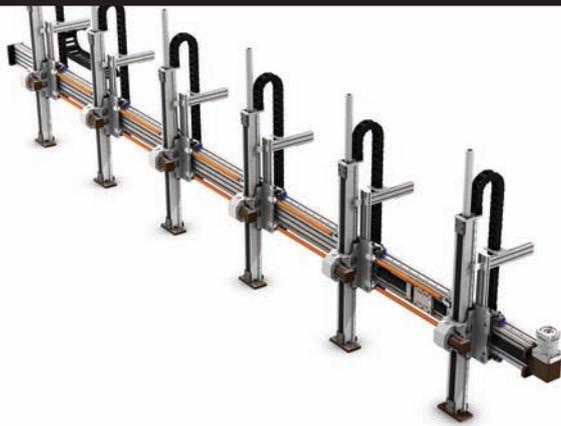
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## MULTI-AXIS PICK AND PLACE

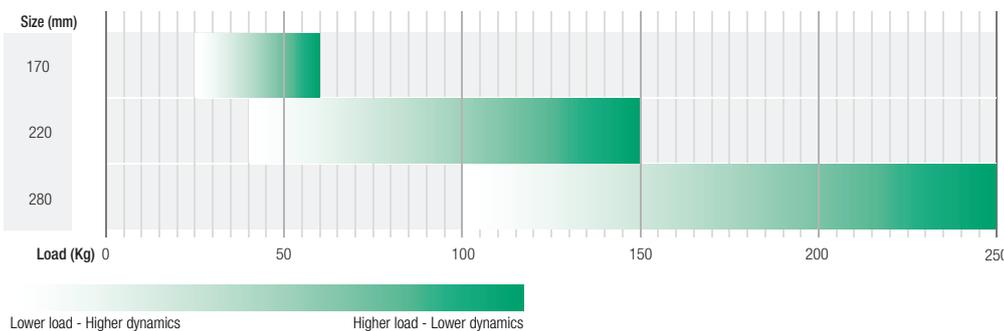


> Versatile multi-axis system designed for feeding machine stations. The Y axis can be realized with a rack and pinion driving system for multiple independent carriages or with a short belt system for connected Z axes.

The motion systems can be designed with recirculating ball guides or with bearings depending on loads, dynamics, and different environments.

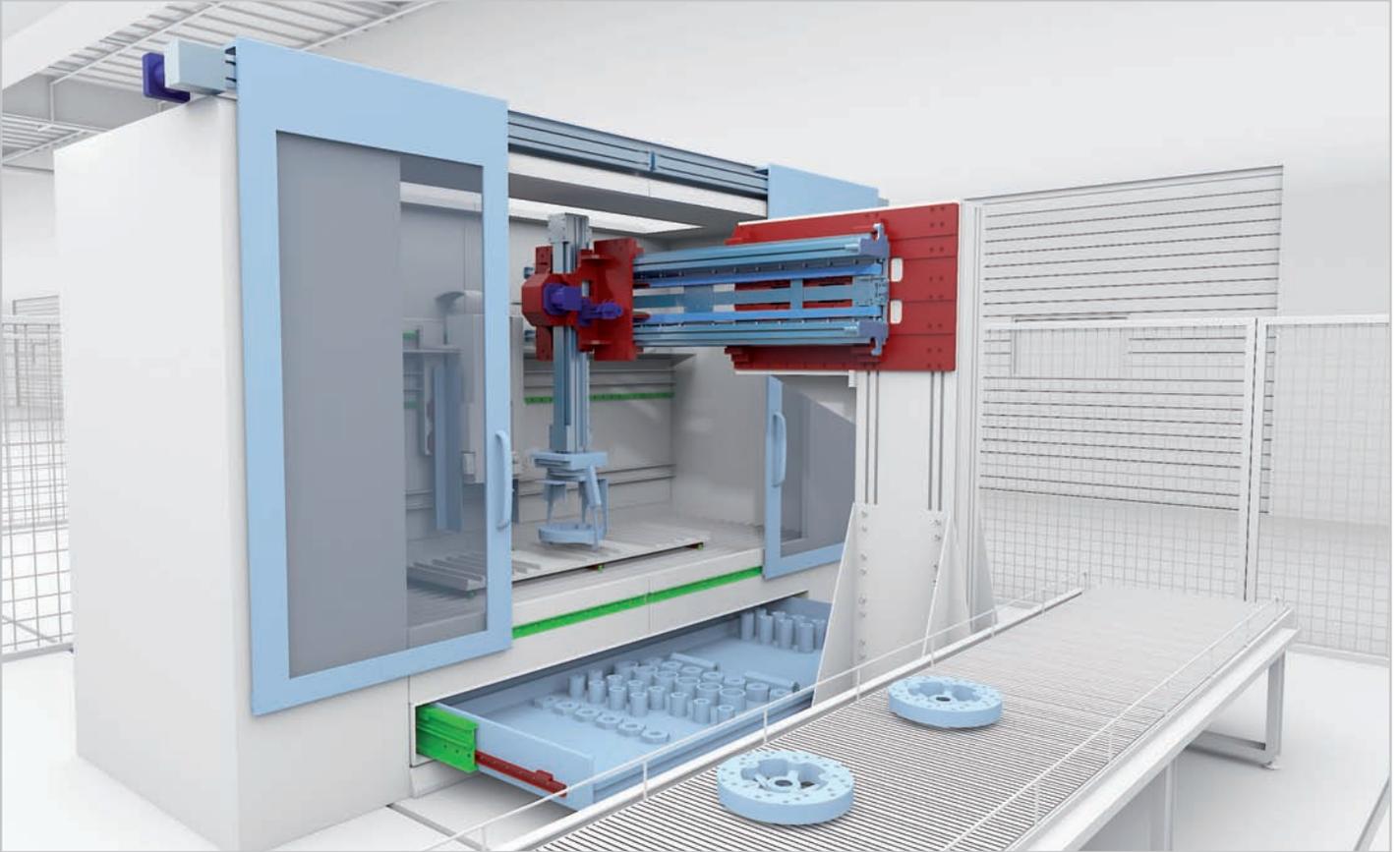
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# Actuator System Line

## > Feeder systems



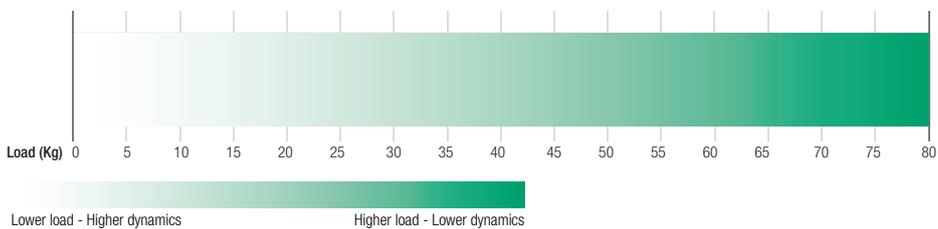
### TELESCOPIC ACTUATOR - WALL MOUNTED

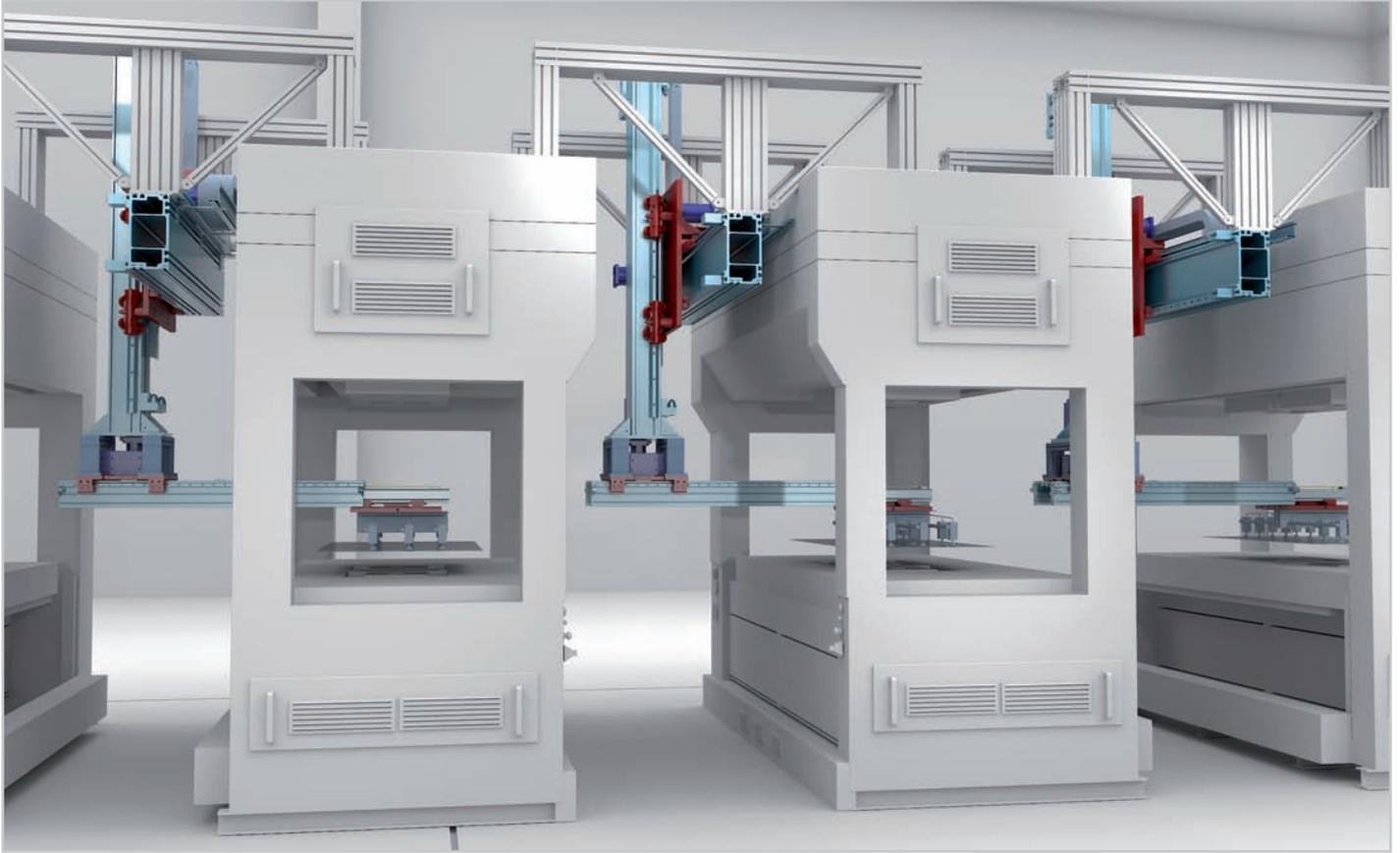
- > Telescopic actuator with a synchronized toothed belt system for effective linear movement and minimal overall dimensions. The wall-mounted system feeds the machine and retracts, facilitating the feeding of machine tools where obstructions to protective doors must be avoided.



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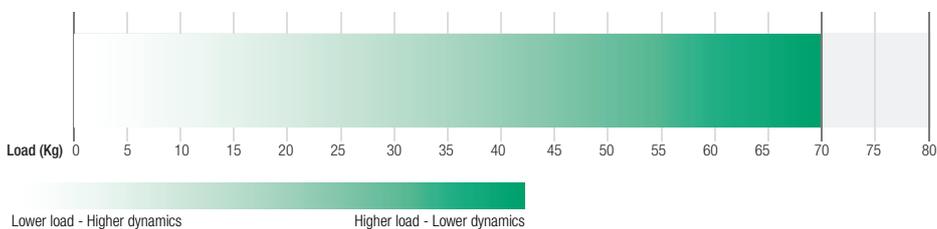
## TELESCOPIC ACTUATOR - HORIZONTAL

- > Telescopic actuator with a synchronized toothed belt system for effective linear movement and minimal overall dimensions. Horizontally mounted, it is mainly used to feed presses installed in series. It extends in both directions, feeding a press in one direction, closing, then feeding another in the other direction. The closed actuator does not occupy space in the two presses, making it possible to feed both with a single system.

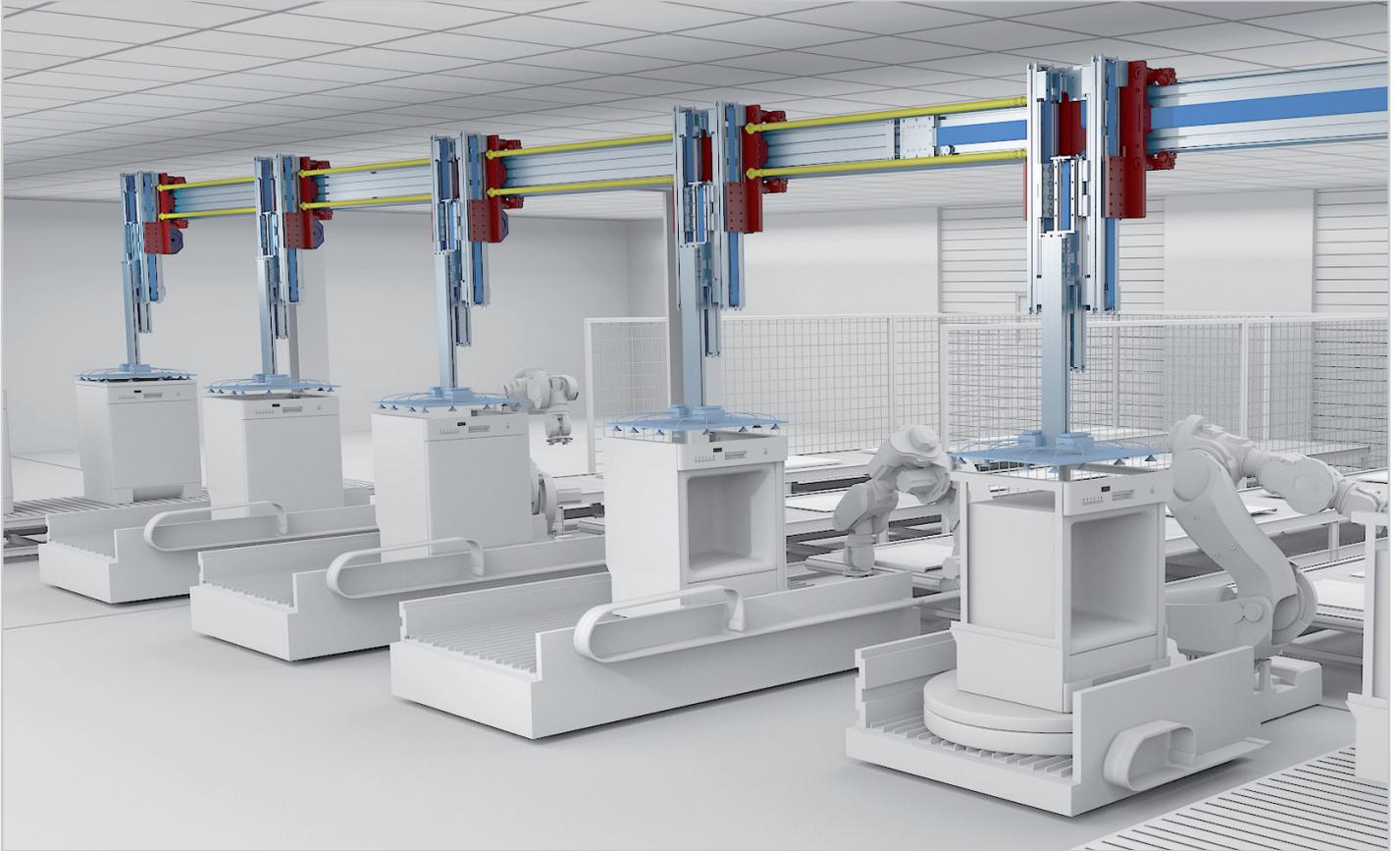


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# Actuator System Line



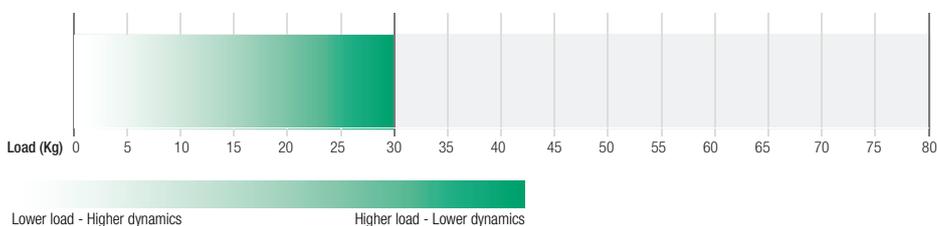
## TELESCOPIC ACTUATOR - Z

> Telescopic actuator with a synchronized toothed belt system for effective linear movement and minimal overall dimensions. The compactness of the closed system makes it ideal for environments without much space between the machine and the ceiling.

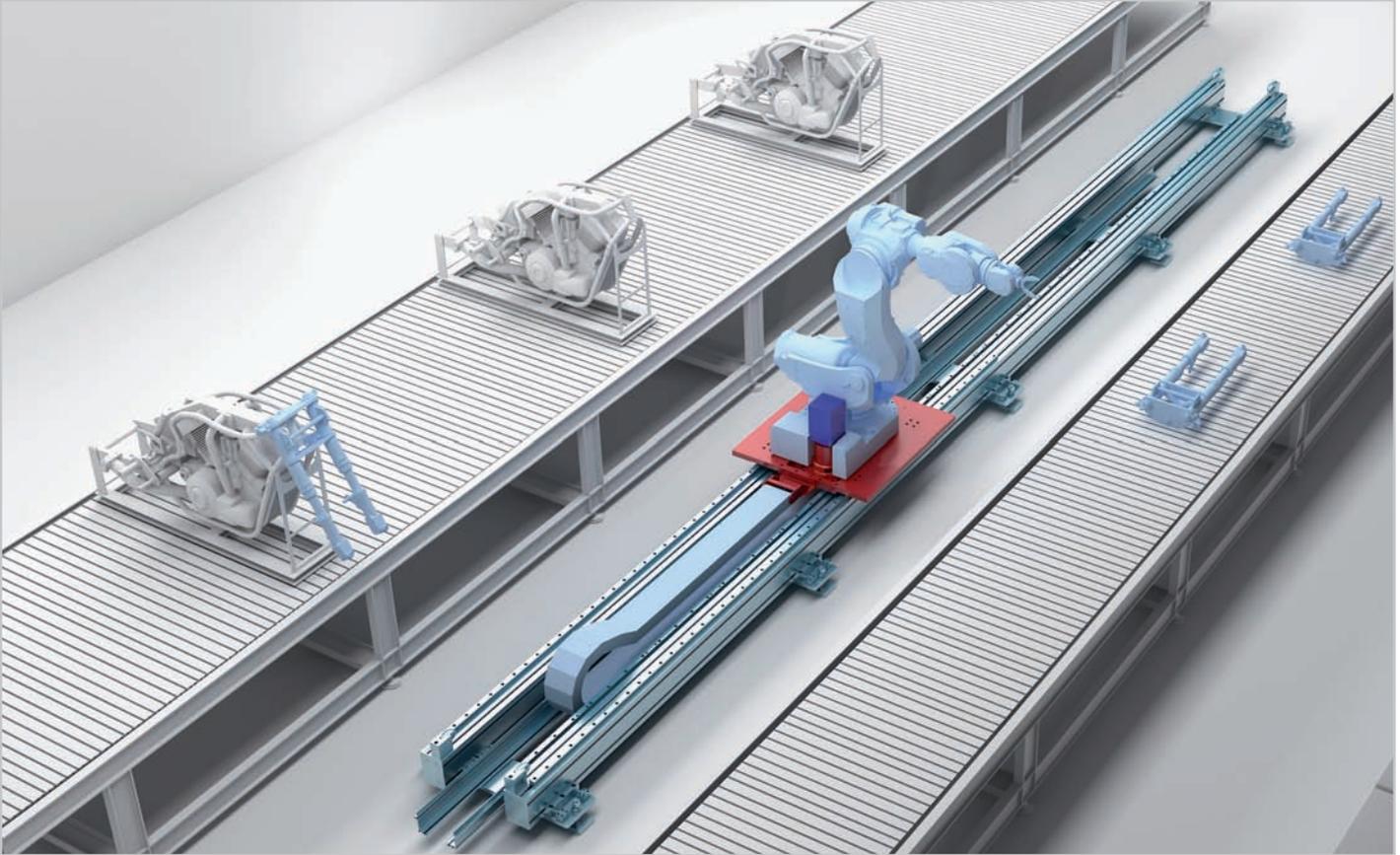


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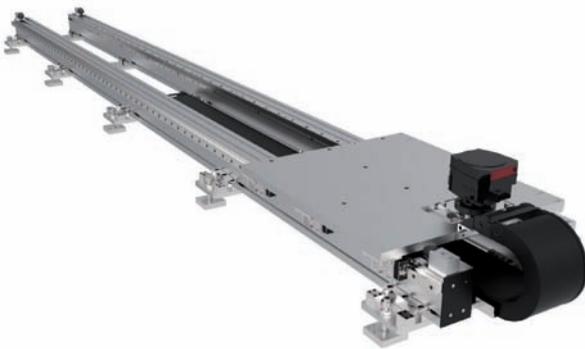
> Seventh axis for robots



**SEVENTH AXIS**

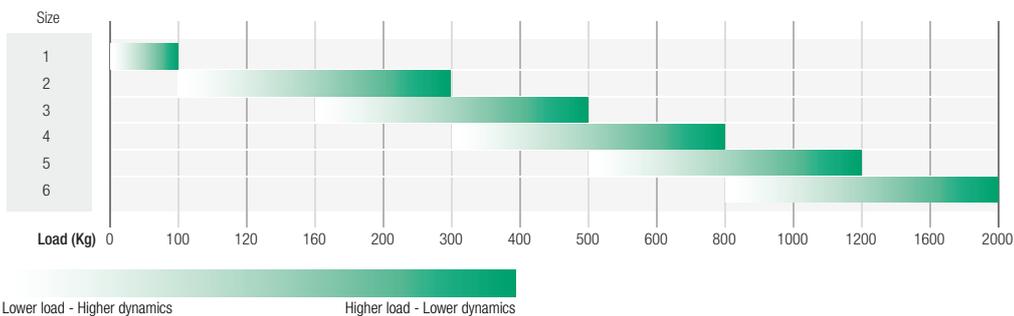
> Shuttle system for moving robots and heavy loads for long distances with high dynamics.

The motion system is available with recirculating ball guides or rollers while the driving system has been designed with rack and pinion. The shuttle is equipped with adjustable ties to achieve alignment even on irregular surfaces. Cable carrier and dampers at the stroke end are included.



**LOAD CAPACITY ACCORDING TO DYNAMICS**

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