



Progressive. Productive.  
Efficient.  
The compact robots  
of the LRX series

*Engineering Passion*

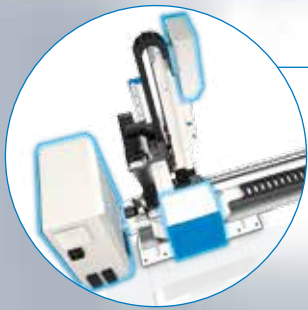
**Krauss Maffei**

# Progressive design meets productivity and efficiency

## The compact robots of the LRX series

**With innovative lightweight design – ideally equipped for the future**

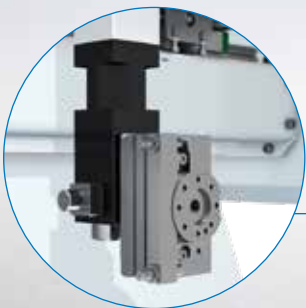
Progressive standard for modular expandability of functions, media and sensors. An intelligent energy management system ensures a high level of availability. The maintenance-friendly design allows optimal access to essential assemblies.



**Ideal accessibility with the decentralized control cabinet concept**  
More freedom for maintenance and service in production.



**Impressive precision with rack-and-pinion drive**  
Rack-and-pinion drive for high-precision robot positioning with fast movements in all axes.



**Compact and light: the new wrist axes**

Servo wrist axes optimized in design and weight increase productivity by saving process times.





### Greater efficiency due to digital vacuum control with air-saving function

Fully integrated in the MC6 control system: the air-saving function saves up to 90 percent of the compressed air. Leakage monitoring reports malfunctions during operation, making the planned maintenance of compressed air circuits possible.

### New control cabinet concept ensures high availability

Protected against water and dirt particles with the protection rating IP54 and optimized heat dissipation due to active ventilation during operation.



### New concept for high degree of safety

Fixed X axis provides clear access to plasticizing unit and material supplies.

### Fast and flexible with the central media portal

Central media supply allows simple gripper change and provides modular expandability of gripper functions.



# Progressive. Productive. Efficient.

## The compact robots of the LRX series

The compact robots of the LRX series are a reliable pillar for your production.

The progressive design with decentralized control cabinet concept and rigid X axis provides a new form of accessibility. This guarantees flexibility for the simple retrofitting of sensors or extension with new media circuits. Rack-and-pinion drives provide for fast, high-precision movements in all axes. A central media portal allows for fast gripper changes and supports you in production with frequent product change-overs.

The new vacuum control works digitally and is completely integrated in the machine control system. The vacuum monitoring detects leakages and can actively control compressed air consumption. A revised thermal and protection concept for the electronic components with IP54 protection rating rounds off the innovative concept and provides high levels of availability and dependability for you.

