



Mastering heavy work pieces in different batch sizes.

**Flexible. Simple. Compact.**  
**RoboCell ONE.**

RoboCell ONE.

# Next level workpiece handling.



► RoboCell ONE by Fastems is setting new benchmarks: Flexible production of heavier workpieces in varying batch sizes thanks to the Manufacturing Management Software (MMS) by Fastems.

## Winning advantages

### Easy automation of up to two machine tools with a single robot

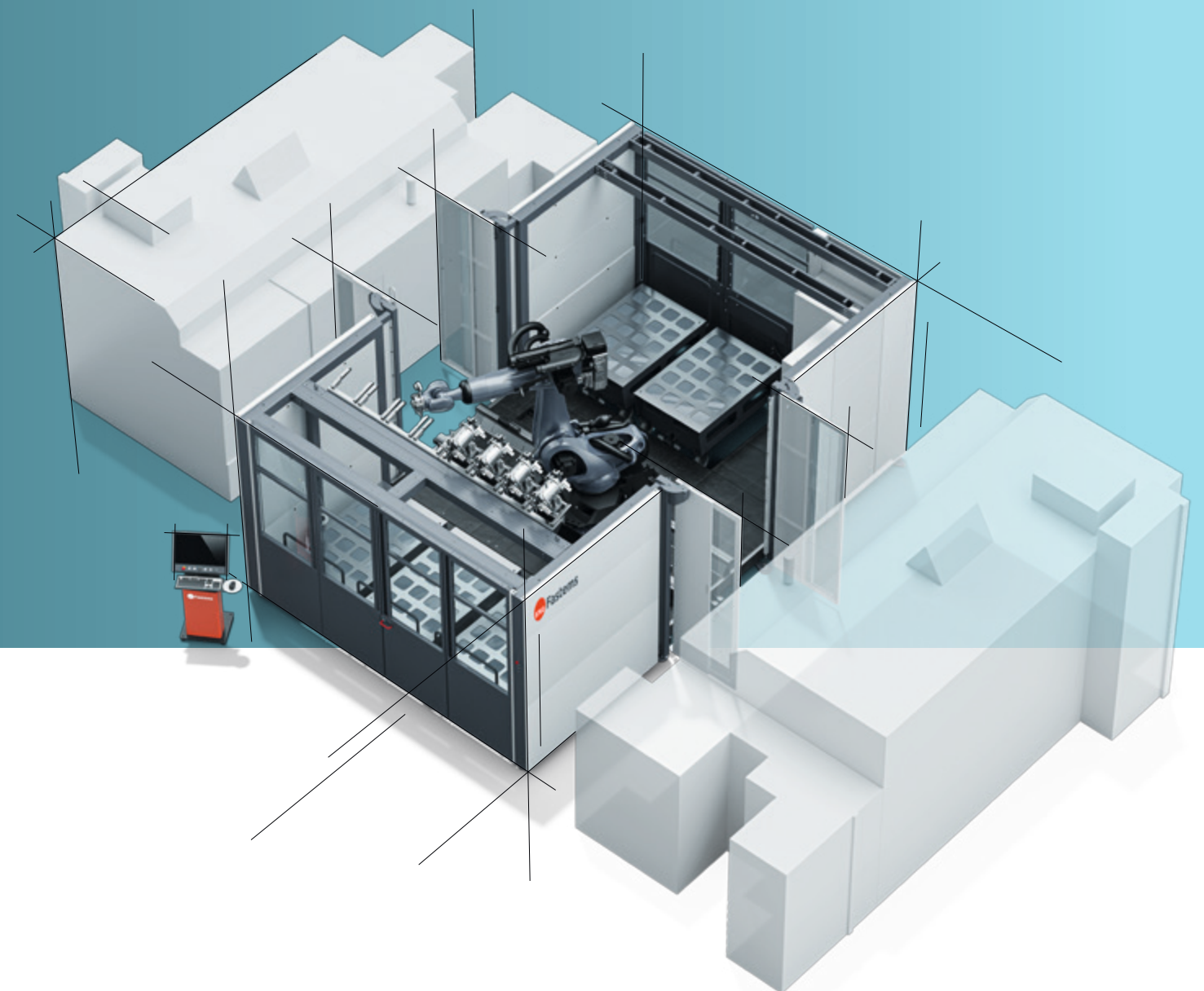
- Strong performance, particularly on two machine tools of the same type (lathe or milling machine), since the robot can move on a linear axis between the two machines
- Easy accessibility of machine tools and tool magazine for manual operations thanks to flexible cell layout
- Easy to uncouple either of the two machine tools without affecting the ongoing process
- Connection of a second machine to the cell possible at a later time

### Smart detailed planning, control and monitoring of your production using our MMS

- Reduction of lead times
- Lower production costs per workpiece
- Optimal machine utilization even with a diverse range of orders

### Handling possible even for heavier workpieces

- Due to its movement on a linear axis, the robot has excellent range even with heavy loads and a space-saving cell design.



### High productivity and flexibility for part families in varying batch sizes

- Automated gripper change system for equipping the robot with single, double or special grippers (optional)
- Use of up to six different grippers for production-specific workpiece handling

### Configuration during primary processing time without special knowledge of robots

- Simple setup of new parts with parametrical programming thanks to MMS
- Intuitive MMS user interface for fast and easy creation of new part master data and orders

### Integration of additional processes

- Increased productivity through optional integration of additional processes, such as integration of a measuring machine or a marking system



Hardware meets software.

# For unrivalled performance.



- Planning, prognosis, control, visualization and monitoring of automatic production processes – the Manufacturing Management Software (MMS) by Fastems is unbelievably versatile.

## What this means for your work with RoboCell ONE:

- 1 Production of different parts in varying batch sizes**
  - Intuitive graphic user interface for easy intake of new workpieces
  - Parametrization instead of programming thanks to parametric robot programs and coordinate-based part localization
- 2 Detailed planning of production in real time**
  - Using production orders directly from an ERP system or PPS (optional)
- 3 Powerful reporting features**
  - For improved transparency
  - Prompt reactions to problems, bottlenecks or excess capacities
- 4 Completion forecasts for production orders**
  - Based on the current order situation and production conditions, taking all necessary resources into account as well as setup exchanges or retooling procedures
- 5 Information about impending required retooling processes**
  - About machines as well as required materials
- 6 Various downstream processes**
  - Planning, control and monitoring that help to increase the productivity of your production process
  - For instance washing, marking etc.



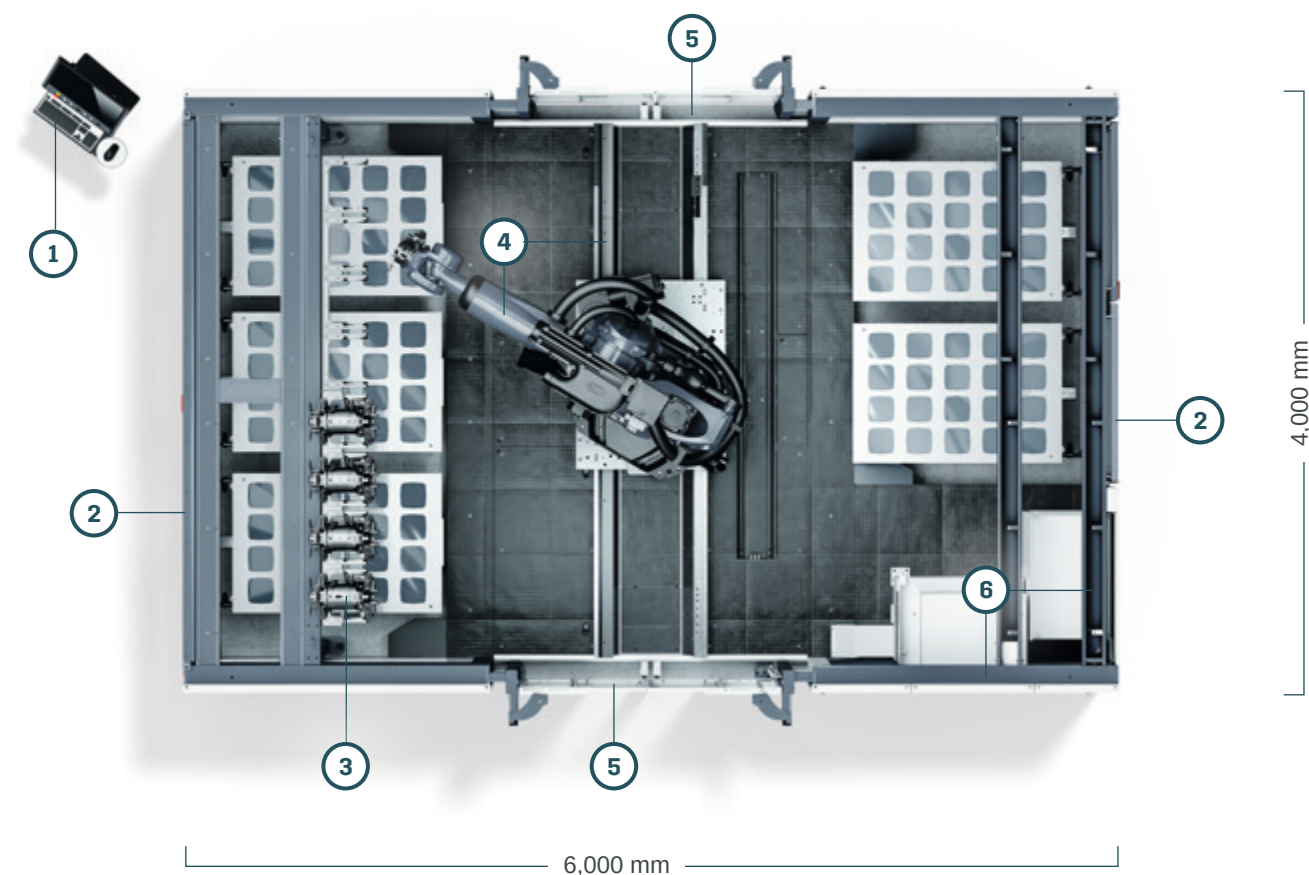
MMS allows you to conveniently control complex production processes using the touch operation panel while benefiting from many additional features to make your work easier now and in the future: transparent, intuitive display on various devices (such as tablets), regular updates as well as cloud services and training for your staff on request.

Of course, our support team is available for you around the clock regarding all technical questions no matter where your production operates.





## At a glance



## Scope of delivery for basic cells

### Robot system

- Robot: KUKA KR 150 R2700 extra
- Linear axis: Güdel TMF-3, stroke 2,120 mm

### Control

- MMS control software
- Touch Operation Panel
- Including remote connection
- Integrated switch cabinet

### Material stations

- Space for up to five material stations, such as trolleys or pallets (each 1,200 x 800 mm)

### Cell housing

- Including access doors to the material stations
- Maintenance unit accessible from the outside

## Options

- Automatic gripper switching system
- Standard gripper kits
- Gripper finger sets in various designs
- Gripper rack (max. six spaces)
- Additional features for the MMS, such as connection to the ERP system or PPS
- Selection of material stations (max. five spaces), such as trolleys or EURO pallets



- ① Touch Operation Panel
- ② Access doors to the five material stations
- ③ Gripper exchange station
- ④ Robot on linear axis
- ⑤ Access doors to the machine tools
- ⑥ Robot control and integrated switch cabinet

|                            |   |
|----------------------------|---|
| Dimensions                 | 6,000 mm x 4,000 mm   |
| Load capacity of the robot | 150 kg  |
| Workpieces (example)       | Diameter: 350 mm<br>Length: 400 mm<br>Weight: 2 x 50 kg / 1 x 80 kg |



Robot and machine tools are easily accessible, for instance when exchanging clamping devices and tools

# We are Fastems. We are here for you.

- **“At Fastems, we believe that building and maintaining a strong manufacturing base is essential for the development of our society and the well-being of the people.”**

That is why we do everything in our power to increase the competitive advantage of our customers and to make their production facilities as efficient, profitable and forward-thinking as possible – through intelligent digitization and process automation.

- Decades of industry experience and more than 4,000 successfully installed systems worldwide
- Systems that optimize your time cycles, reduce costs and improve the capacity of your existing machinery
- Systems that have been specifically developed with the health and safety of your personnel in mind
- 24/7 support to ensure maximum productivity during all 8,760 hours of the year

**We look forward to helping you determine the potential of your manufacturing processes and to finding a solution that is right for you!**

[www.fastems.com](http://www.fastems.com)

