

ROLLERI ROBOTIC

COBOT 100 C DEBURRING ROBOTIC CELL





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INTRODUCTION

THE COBOT 100C :

- **Guarantees a cooperation** between man and robot maintaining a **high precision** during the production of pieces .
- By-passes the concept of CAD/CAM programming as the operator programs point by point directly on the cell.
- **Allows repeatability** thanks to an incorporated storage inside the software.
- Facilitates **problem solving** inside a workshop dynamic

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INTEGRATED SAFETY
FEATURES

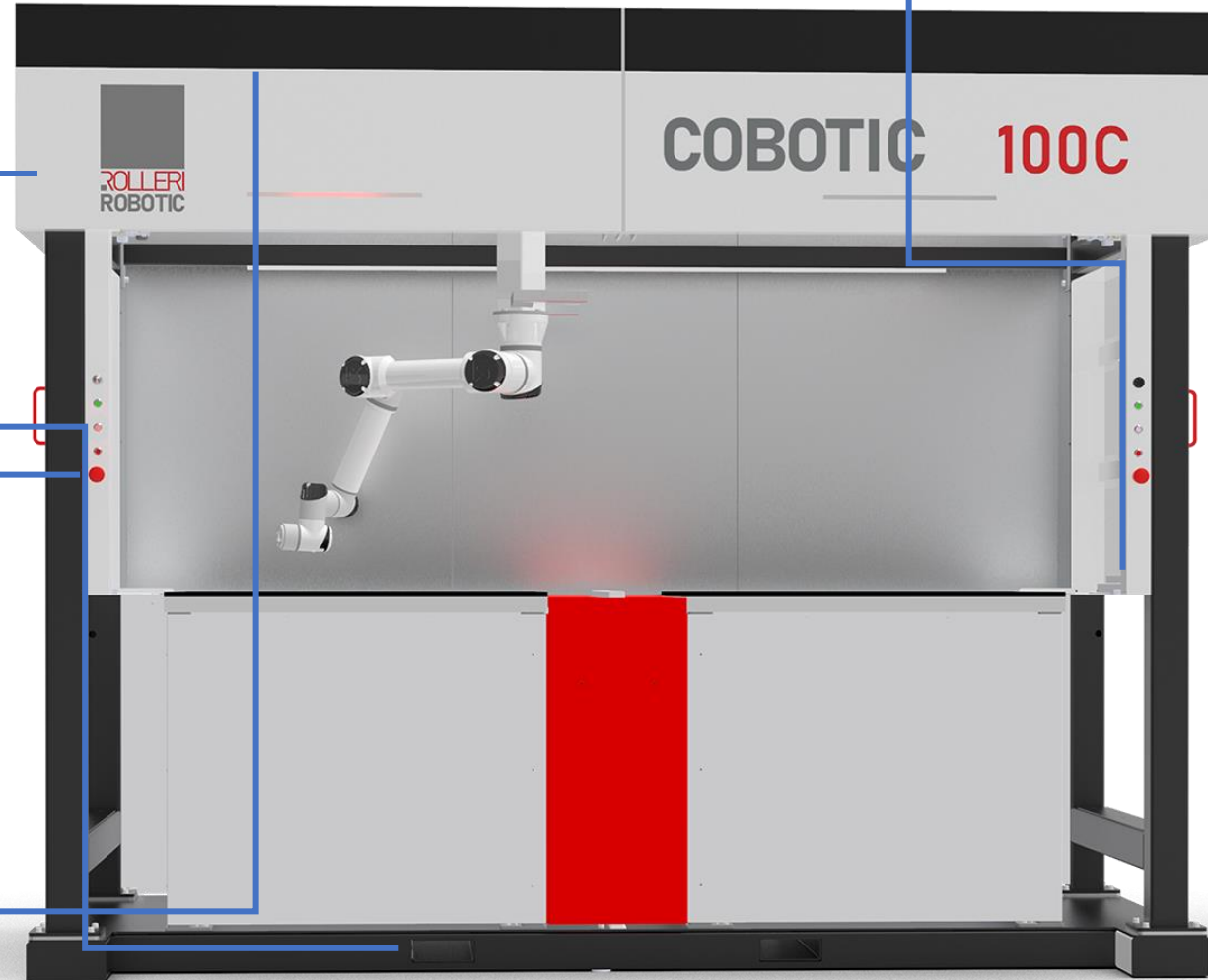
THE STRUCTURE

ROBUST AND COMPACT
STRUCTURE

FORKLIFT OR CRANE
PICK UP POINTS

EMERGENCY STOP
LOCATED ON BOTH
SIDES OF THE CELL

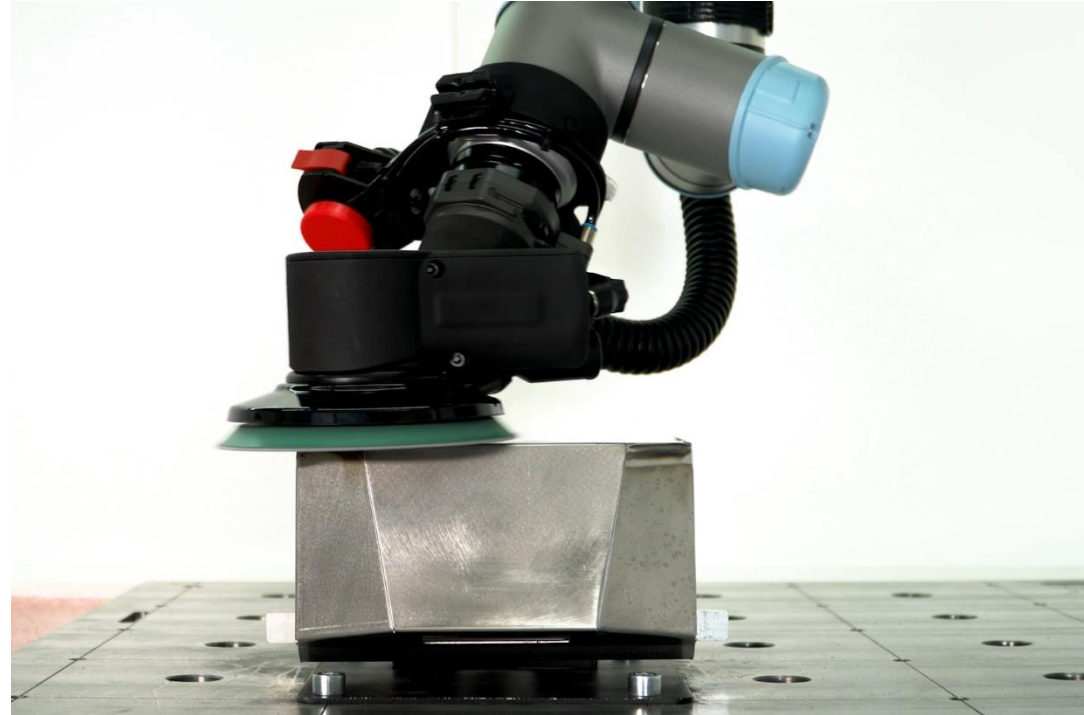
AUTOMATIC SAFETY
DOORS



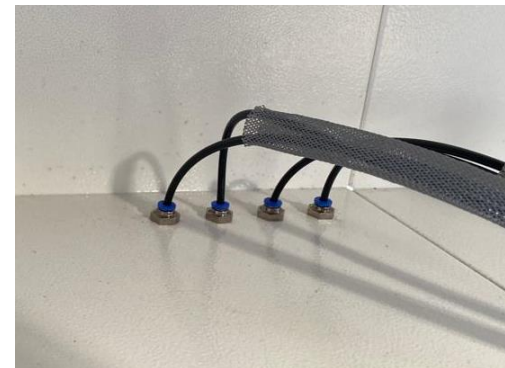
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WORKING AREA

- Two separate working tables (4ft x 4ft)
- Predisposition for table suction
- Central safety panel to divide the two tables if required.
- Two lateral doors for extra work-space.



Air intakes which act as a predisposition for pneumatic jigs and masks



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THE COBOT

The cobot used inside the cell is known as UR 5 by Universal robot. The robot consists in six axes (3 radial and 3 rotative).

Being a Cobot the robot collaborates with the operator at elevated capacities thanks to its safety features avoiding collision.

The pneumatic tool has been positioned on the robot's head to guarantee maximum orientation throughout the movements.



Implemented linear guide seventh axis by Festo, allows the robot to move among working tables

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PROGRAMMING

Tablet with integrated program for both pneumatic tools and COBOT with one interface

The pneumatic tools can be called or deposited directly from the tablet interface.

The programming itself is all on the COBOT interface therefore I can switch on and off the tools inside the program.



The free-drive button positioned on both the torch and the panels allows you to free all the robot brakes and direct the robot to the needed points manually.

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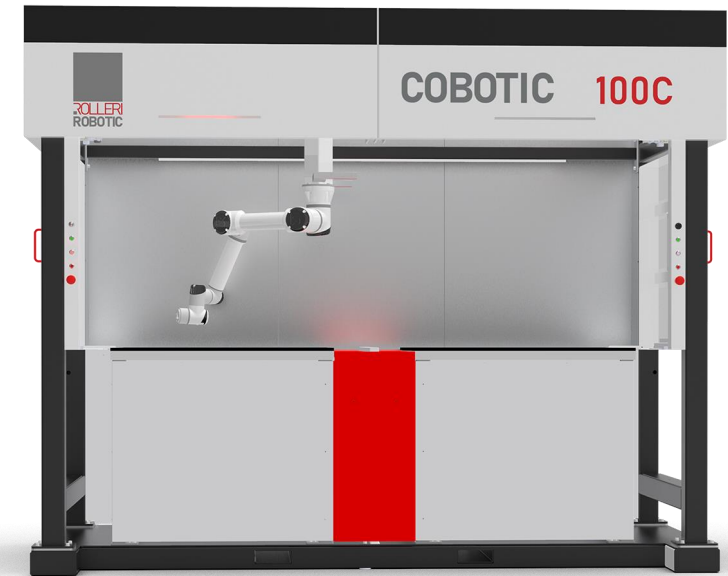
REMOTE ASSISTANCE

Platform for remote support with smart glasses and tablet for direct and real-time interface with the robotic cell.

Thanks to COBOTIC REMOTE System, service technicians can help the operator carrying out any operation and intervening to prevent any future machine breakdown.

When wearing the smart glasses, service technicians can intervene to solve any technical or mechanical problem of the robotic cell or any practical problem related to the tools (or other) operation carried out.

The robotic cell undergoes ongoing monitoring of all its components.



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DIMENSIONS

