



# SAND / ROB

roboticom

[www.roboticom.us](http://www.roboticom.us) | [www.roboticom.it](http://www.roboticom.it)

Made in Italy 

**MOST INNOVATIVE  
ROBOTIC SOLUTION AWARD  
ABB 15TH PARTNER MEETING**

**ROBOTIC INNOVATION AWARD 2018  
SOLUTION AWARD, 3° EDITION**

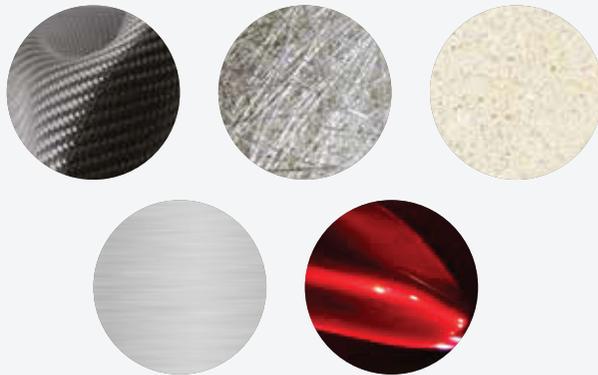


Multi-purpose, fully-automated robotic platform to perform all your finishing needs: sanding, polishing, trimming and drilling on any object shape and size.

**Applicable on a wide variety of materials:**  
metal, composite, plastic, glass fiber & more.

# SAND / ROB

## TREATABLE MATERIALS



COMPOSITES, CARBON FIBER, GLASS FIBER, PLASTIC, METAL, SOLID SURFACE, PAINTED SURFACE, CERAMIC, WOOD AND MORE

## INDUSTRIES



AUTOMOTIVE, AEROSPACE, TRANSPORTATION, SPORTS EQUIPMENT, FURNITURE, BATH TUBS, SANITARY WARE AND MORE



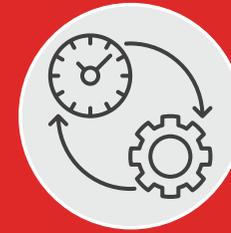
**High Quality  
Output Every Time**



**Any Shape  
Any Size  
Any Material**



**Clean, Safe Working  
Environment**



**Enhanced  
Productivity**

SandRob automates manufacturing processes where advanced manual skills are usually required but working conditions are extremely strenuous, repetitive and dangerous for human health.

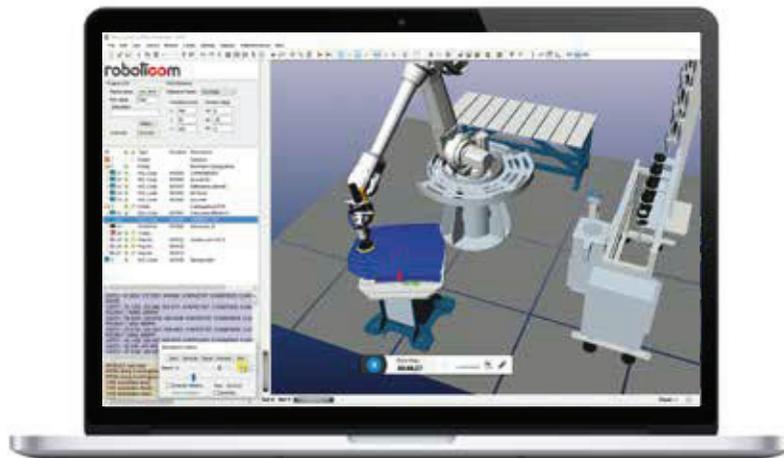
The system is based on 6-axis anthropomorphic robot and it is equipped with a technological package and sophisticated mechanisms:



- ✓ Selectable **end-effectors** according to the process (rotating sander, random-orbital sander, shaped sander, polishing buffer, trimming router, waterjet cutting)
- ✓ **Patented automatic end-effector and sandpaper change systems**, with two storage racks
- ✓ Electronic **speed regulation** set by the software
- ✓ **Different finishing results on the same piece**, thanks to a intelligent system that allows you to manage the force of the abrasive pressure on the surface
- ✓ **Automatic re-adaptation** of the sanding process with a sensor (touch probe or laser) according to possible variations of the shape
- ✓ **Dust extraction system**
- ✓ **Feeding system** (turn table, switching positioner, conveyor, etc.)

# PROGRAMMING ARPP®

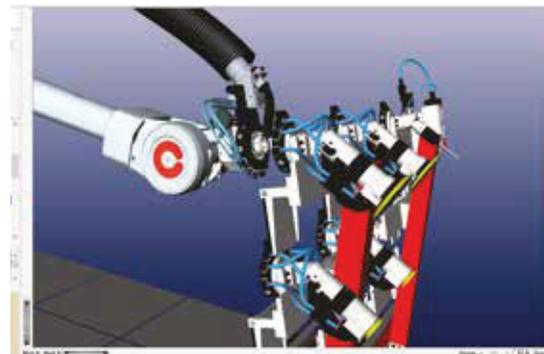
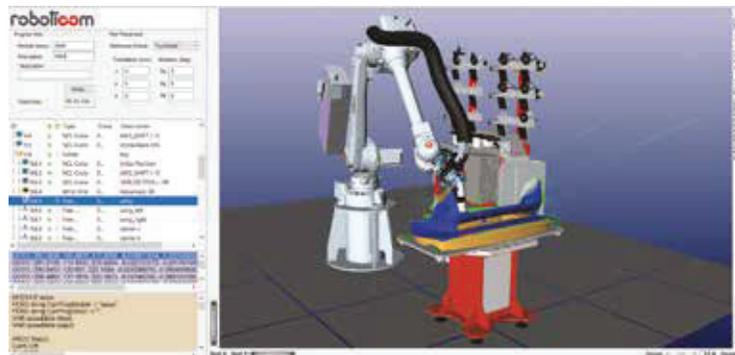
Intuitive, user-friendly software to ensure fast installation & training in any production environment



Roboticom has made robotic programming easy and within everybody's reach through ARPP.

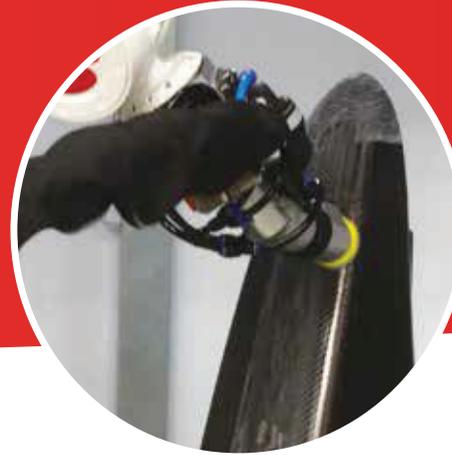
**ARPP® is a SINGLE SOFTWARE PLATFORM FOR ALL OF YOUR PROGRAMMING NEEDS**, allowing you to manage SANDROB without the use of any additional software.

Through its graphic user interface, you can control all processing parameters in a practical and easy way.



The combination of SANDROB's (utilization of different tools) and an easy-to-use management software to fully automate your production process represents the big added value that only ROBOTICOM can offer you.

# SANDING AND POLISHING

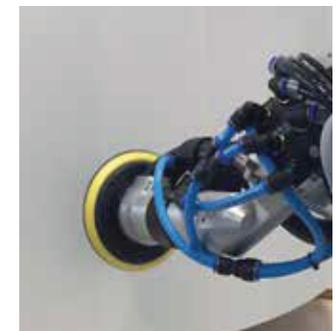


**Sanding** is a very delicate process that requires maximum precision and greatest homogeneity of the final result. SandRob is your ideal partner for sanding processes as it enables you to:

- ✓ Processing plastic objects before painting
- ✓ Special finishing on solid surfaces of bathroom furniture
- ✓ Sanding composite material parts and objects

SandRob allows you to quickly achieve high quality polishing results and meet functional and esthetic needs by combining different grit sandpapers and a polishing paste. The most common applications are:

- ✓ Polishing post-painted plastic parts
- ✓ Mirror polishing of metal surfaces



# TRIMMING AND DRILLING



With SANDROB you can perform various operations such as cutting, trimming and drilling to manage the critical stages of contour cutting, removing burrs, drilling holes, opening slots, reaming, cutting\* and gluing panels.

\*Cutting is carried out with cutting bits or waterjet.



# OUR CUSTOMERS

**dallara**

Racing - Italy

**Globe**  
Composite Solutions, LLC

Aerospace - USA

**BOURGHARDT**

Transportation - Sweden

**LANULFI**  
- MOULDS -

Transportation - Italy

**BERCELLA**

Automotive - Italy

**RMC**

Transportation - Canada

**Berry** | Bramlage

Transportation - Czech Republic

**FLAMINIA.**

Sanitary ware - Italy

L'innovation en tête  
**DELASTEK**  
Mastering Innovation

Automotive - Canada

**STR**  
AUTOMOTIVE

Automotive - Italy

**c.f.maier**  
KUNSTHARZWERK

Transportation - Germany

**IMPERIALE**

Automotive - Italy

auto■motive  
**weiss**

Automotive - Germany

**ALRO GROUP**  
WE COLOUR YOUR MOBILITY

Transportation - Belgium

**sniap**

Transportation - Italy

**CARBOPRESS**

Automotive - Italy

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