

SERVIND standardized sanding cell [SSC]

Same size [1800×1800×2350 mm (W×D×H)], same layout, same design, three levels of HW complexity:

	BASIC	ADVANCE	MASTER	MASTER+
Robot UR12e	●	●	●	●
Sanding head MIRKA Airos	●	●	●	●
Tool exchanger MIRKA			●	●
Dust extraction MIRKA	●	●	●	●
Exchange unit for abrasive MIRKA		●	●	●
Active compensation NORDBO		●	●	●
Steel&Alu frame + PC windows	●	●	●	●
Universal table for fixation jigs [m]	1×1	1×1	1×1	*
Safety	●	●	●	●
Control panel with main buttons	●	●	●	●
PLC + HMI		●	●	●
7th axis for robot				●
No-code programming platform Augmentus/Robotwin			●	●
Price [€] **	119.000	151.000	169.000	TBD
Annual fee [Augmentus/Robotwin] [€]	–	–	8.500	8.500

Delivery time

Valid until **Q2 2026: 10–15 weeks** from order, depending on stock availability (regardless of type except MASTER+). Only within the EU.

Valid from **Q3 2026: 5–8 weeks** from order, depending on stock availability (regardless of type except MASTER+). Only within the EU.

* MASTER+ variant according to customer requirements

** Not included in the package price: Fixtures (we prefer delivery by SERVIND), transport, travel costs, trajectory and quality for more than 1 type of product.

Any above-standard customer requirements will have a direct impact on the delivery time, which must then be specified according to the project consultation.

Contacts

If you are interested or have any questions towards SERVIND SSC, please do not hesitate to contact the responsible employee of SERVIND s.r.o. at any time:

Ondřej Donát
Business Development Manager

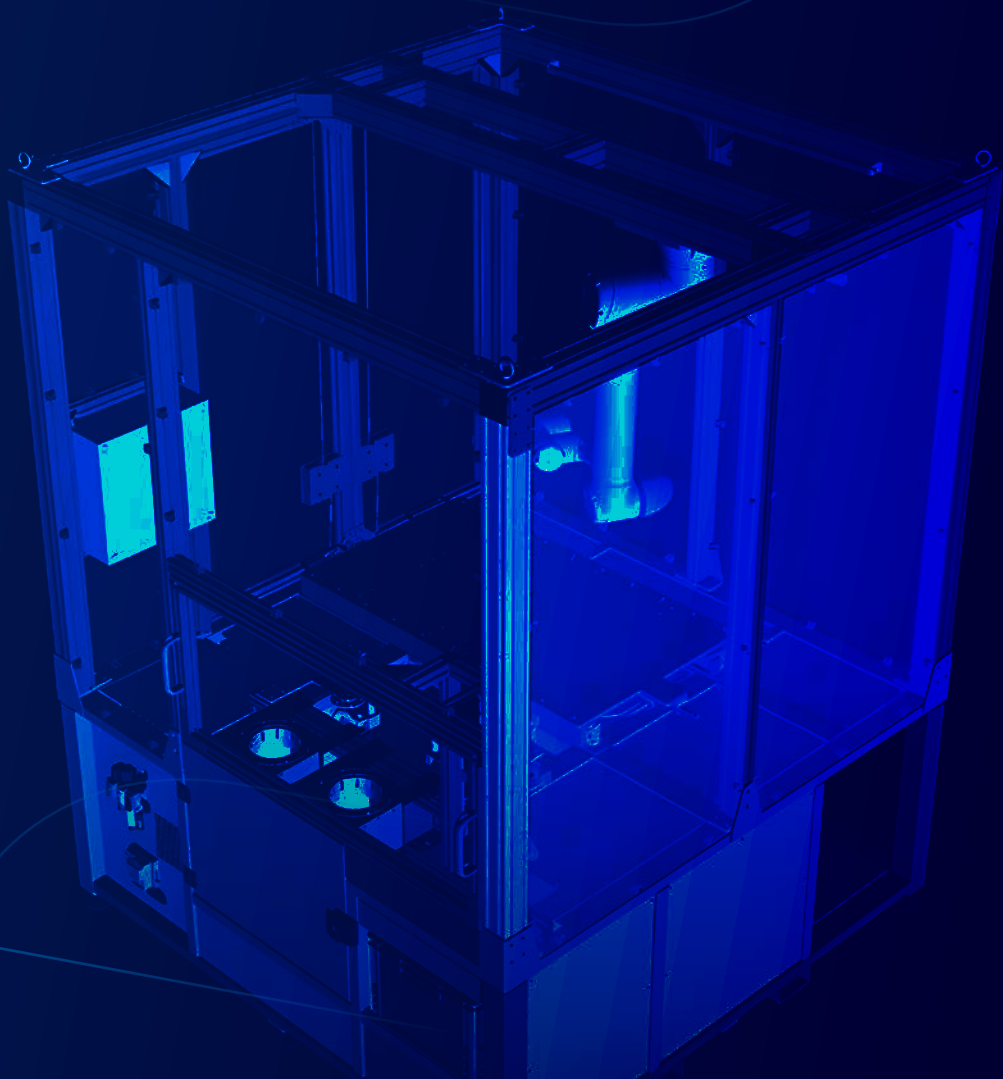
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- servind.com
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- ServindCZ
- Servind Automation

... or contact your local Universal Robots or MIRKA partner.

Partnered with:





STANDARDIZED SANDING CELL

Partnered with MIRKA & UR

General reasons for automation [sanding]

Creating an automated sanding device using collaborative robots offers several creative and convincing reasons from the perspective of a manufacturer.

1 Efficiency and Productivity

Automating the sanding process increases overall production efficiency. Robots can operate continuously without fatigue, potentially boosting the productivity of your production line.

2 Consistent Quality

Human work can be affected by fatigue and errors, while a collaborative robot ensures consistent quality and precision in sanding each product thanks to precisely set programs and repeatable accuracy.

3 Workplace Safety

Sanding is a demanding and potentially dangerous process. Automation reduces the need for manual intervention, thus increasing workplace safety, reducing the risk of occupational injuries, and ensuring employee health protection.

4 Flexibility in Production

Collaborative robots are designed to be flexible and easily programmable for various tasks. Manufacturers can quickly adapt production to current market needs and demands.

5 Sustainability and Environmental Impact

Automation can contribute to reducing material waste as robots use the optimal amount of materials and energy for each task. This not only conserves resources but also minimizes the environmental impact of production.

6 Return on Investment (ROI)

Although the initial investment in automation may be higher, long-term savings in labor, increased productivity, and reduced maintenance costs often result in a quick return on investment.

7 Customized Solutions

Collaborative robots can be tailored to specific customer needs, ensuring that the solution is customized to meet the unique requirements of their production.

Turnkey solution challenge

Automated robotic device developed according to the wishes or needs "turnkey solution", is capable of meeting even the most complex requirements, specifications and processes of the specific customer, however, due to the comprehensive nature of the entire process of development production and commissioning of the equipment, it is not a universal and ideal solution for every situation. In addition, even complex cases can sometimes have a simple solution.

1 Planning

As the beginning of any turnkey solution, it is necessary to examine the current level of production, its "bottleneck", the process itself that we intend to automate and take into account the needs and requirements of the customer. It follows with the evaluation and creation of the concept of the intended device, including price quotes.

2 Development

If the ideas of the supplier and the customer meet and an order is placed, the development phase of the project begins. Designers (mechanics, robot, PLC, electro and of another media) must develop the concept in detail, assess all aspects such as functionality, ergonomics, safety, reliability, versatility and the required performance, price and design the ideal and best device.

3 Manufacturing

As mentioned, due to the complexity of this process, a turnkey solution is not suitable for all cases. The answer may be the use of SERVIND Standardized Sanding Cell (SSC), thanks to which we will shorten the entire process and go straight to point no.: **6. Transport**.

4 Assembly

Mechanics, electro and another operational media

5 Initial commissioning

Commissioning of the device when all units communicate and work together.

6 Transport

7 Quality tuning

Setting trajectories and device parameters for the ordered quantity of product types and their gradual adjustment until they fully meet the customer's expectations and all of their ordered requirements.

8 Acceptance

Including after acceptance supervision at the start of series production.

SERVIND standardized sanding cell [SSC]

SSC is available in three equipment levels, **BASIC**, **ADVANCE** and **MASTER**, which differ in complexity or the number of components and therefore the scope and automation options of the sanding process.

For customers who require a worktable size other than the SSC size (1x1 m), we offer the **MASTER+** variant, which we are able to enlarge according to requirements and provide with a 7th robot axis, which increases the range of the robot.

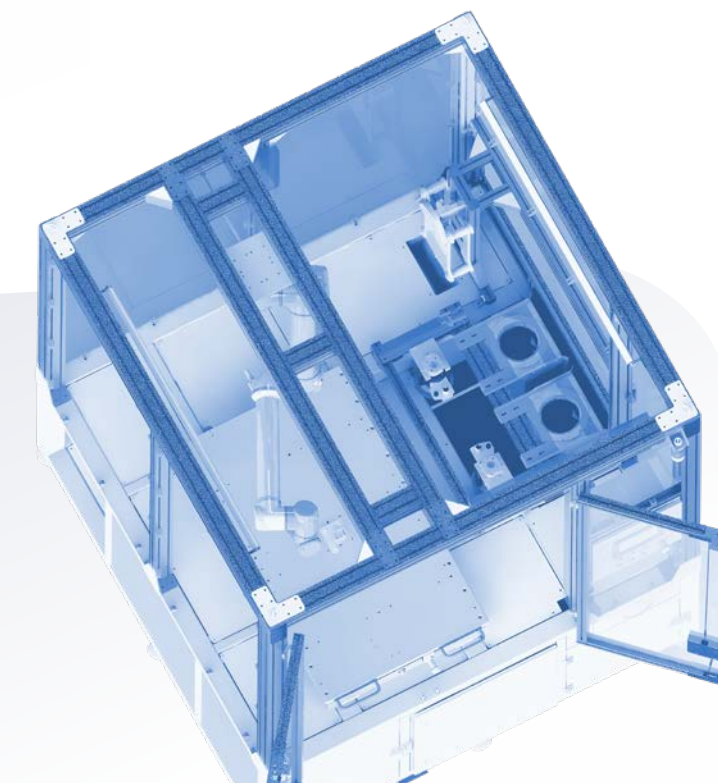
Our services also include assessment and assistance in selecting a specific level according to the customer's specific requirements.

General benefits of SERVIND SSC

- Ready-made solution without the need for development and production
- Deliverable to the customer in a matter of weeks (depending on the customer's location)
- Space-saving, compact solution
- Thanks to the use of the collaborative robot UNIVERSAL ROBOTS, simple operation, without the need for experienced personnel
- Thanks to the use of the MIRKA robotic sanding head, maximum sanding performance and quality stability
- Mobile - after disconnecting the voltage and media, can be manipulated by forklifts
- Thanks to the closed structure, minimal contamination of the surrounding areas with sanding dust
- Operator and maintenance training is included in the SERVIND delivery
- The delivery includes setting up the device for 1 type of product (trajectory, quality tuning)

Not included in the package price (Basic, Advance, Master, Master+)

- Fixtures (preferred delivery by SERVIND)
- Transport
- Travel costs
- Trajectory and quality for more than 1 type of product device for 1 type of product (trajectory, quality tuning)



Partnered with:

