

Automated Welding

The system marries an IP-rated D-Bot cobot, SmartArc's ready-made weld libraries, and the teach-by-torch SAEP handle, so new seams are "drawn" in minutes instead of coded in hours. Perfectly matched hardware and software guarantee repeatable, audit-grade beads - giving job shops and SME fabricators industrial quality without industrial complexity.

Shown on our Booth



Compact 1-Station Roller Door

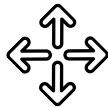
- Fully enclosed aluminium frame (CE) with swinging door
- Possibility to integrate fume hood
- Ready in < 30 min: plug mains & network
- Common use for small parts and mobility required production areas
- Useful for a large variety of products

Customer Value Advantage



Fast Deployment

"Plug-&-Weld" in
< 1 day on site



Scalable

From R&D demo cell
to multi-station lines



No Coding needed

Teach by hand
or SAEP grip



Quality

Built with premium
components



Compliance

Holistic CE compliance
out of the box

Target Industries

- Job-shop & contract fabrication
- SME machine builders & metalworking shops
- Agricultural & construction equipment
- Commercial vehicle & trailer makers

Application Variety

Soft- and Hardware of the cells support a variety of applications:

- Welding
- Grinding
- Screwing
- Picking
- Glueing

Portfolio Overview



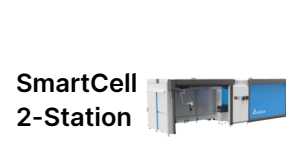
**Standalone
Pedestal**



**Compact
1-Station**



**Compact
1-Station**



**SmartCell
2-Station**



**Portal
Gantry**

Typical Part Size	XXL / irregular	small-medium	small-medium	medium series	large frames
Stations	1	1	1	2 + auto wall	1 XL
Door Type	open	roller	folder	fast-roll	wide doors
Mobility	fork-lift base	castors / van	castors / van	crane / fork-lift	floor-fixed

Contact

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Preliminary data sheet | Subject to change

Alternatives & Extensions



Standalone Pedestal

- Aluminium pedestal with quick-mount interface for your cobot
- FSK safety kit
- Welding power source
- Software is included
- Use Case: Automated manual welding place
- Ideal for large, heavy or magnetic parts; brings robot to the workpiece
- Foot-print: 1 x 1 m; forklift pockets for fast relocation

Handlingtool SAEP Ergonomic Grip

- 3-stage enabling switch right on the torch handle
- Ergonomic Grip
- Multifunction buttons for axis lock, jog, save point – even with gloves
- Patented force guided moving of external axis
- Creating of programs without touching the TP
- Eliminates foot pedals and keeps both hands at the weld
- Manual pre-tacking



Compact 1-Station Folding Door

- Secure enclosure with wide opening swing doors
- Mobile transportation
- fits in a van, deploy in showrooms or pilot lines
- Foldable solution required for small footprint

SmartCell 2-Station

- Two work zones + servo-driven partition for parallel load/weld
- Up to 7-m overhead linear axis and turning axes extends cobot reach to both stations
- possibility for 2 robots on one rail moving independently
- Options: servo turning table, tilt-rotate positioner, automatic torch cleaning
- Perfect for medium to high quantity of production of Complex parts or two-step processes
- Simple material retention (even different) per station



Portal-Gantry Cell

- One-Station
- XY-gantry positions your cobot anywhere in a 4 x 4 m envelope
- Large swing doors for forklift access
- Huge reachability
- Handles big chassis, trailers, machine frames with medium/high quantities
- Cobot controller and SmartArc PC housed in rear cabinet
- Difficult-to-reach weld seams