



EcoRP L030i/L130i

Door Opener – Optimizing the Painting Process

The 3rd generation of Dürr robot impresses with its modern design and many innovative functions. It creates more space in the spray booth and allows quick and easy installation and efficient painting concepts for all body shapes.

The Scara robot **EcoRP L030i/130i** acts as a door opener with a large vertical stroke. Its compact, flow-optimized design predestines the Scara robot for installation in spray booths. The newly developed tool cleaning is unique. The opening tool is moved into the **EcoTool Cleaner** with a pneumatic swivel axis.

The Scara door opener with tool cleaner can be designed as a free-standing version (**EcoRP L030i**) or installed as a mobile version (**EcoRP L130i**) on a compact, internal rail (**EcoRail S**) at various heights. The rail is equipped with a robust guiding system for use in the spray booth and can move either one or two Scara robots. Alternatively, the Scara can also be mounted on the **EcoRail X** robot traversing axis.

HIGHLIGHTS



Flexible arrangement in the spray booth for stop and go and line tracking operation
– Freestanding unit (**EcoRP L030i**)
– Mobile on rail (**EcoRP L130i**) – **EcoRail S** – **EcoRail X**

No manual cleaning necessary with **EcoTool Cleaner**

Quick and maintenance-friendly access to the integrated components

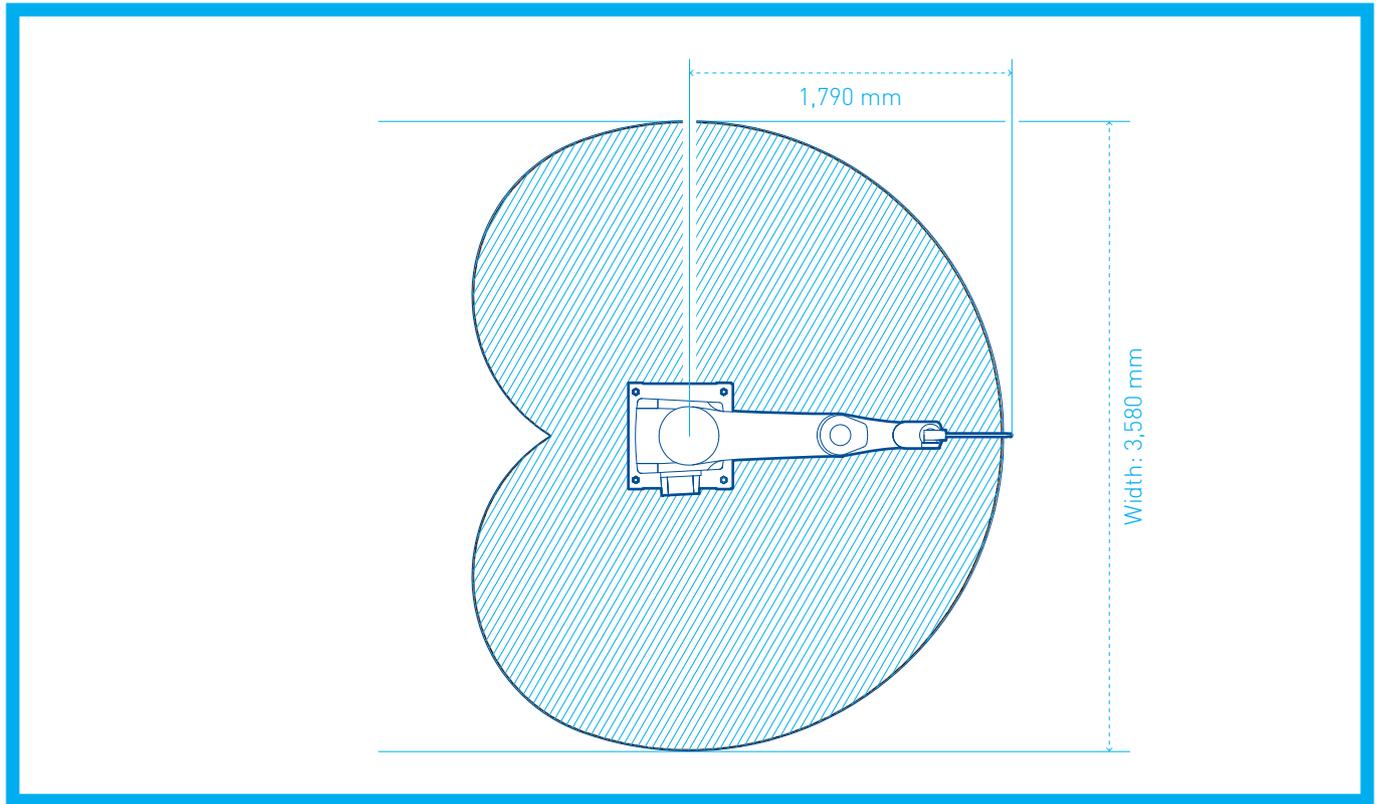
Low maintenance

Maximum availability and life span

In-booth concept: The robust guiding system can be installed in the spray booth

Technical Data

EcoRP L030i/L130i



DOOR OPENER – EcoRP L030i AND EcoRP L130i

| | Work zone | Max. speed |
|--|---|------------|
| Axis 1 – Swiveling of horizontal arm 1 | +/- 90° (EcoRP L130i) +/- 110° (EcoRP L030i) | 125°/s |
| Axis 2 – Swiveling of horizontal arm 2 | +/- 182° (EcoRP L130i) | 130°/s |
| Axis Z – Vertical lift axis | 400 mm | 500 mm/s |
| Axis A – Swivel axis for tool cleaning (optional) | Basic position, working position, cleaning position | pneumatic |
| Traversing axis (optional) – EcoRail S for EcoRP L130i | Length: max. 20 m for up to 2 robots | 1.5 m/s |
| Max. TCP speed | 1.5 m/s | |
| Max. TCP acceleration | 5 m/s ² | |
| Power for the door handling | max. 300 N | |
| Weight | 230 kg | |
| Explosion protection | ATEX category 2, 3 FM approval for Class 1, Div 1 | |

Subject to change. The information in this brochure solely contains general descriptions and performance features, which may vary in specific cases of application. The desired performance features are only binding if they have been agreed upon explicitly at the conclusion of the contract. © Dürr 2019