



## QIROX Compact cell QR-CC-4.1 2.5 KN

QIROX QR-CC-4.1 Compact cell: Your customised solution for automated small part welding

The QIROX QR-CC-4.1 compact cell is a "Ready to weld" system which has a 2-station workpiece positioner with vertical change and vertical rotation. By means of the rotary axis the station is turned from the loading area to the robot within three seconds. During this procedure, the loading area is protected by a light barrier and an additional lateral safety fence. There is a glare shield between the two stations. Thus the system operator is perfectly protected. Whilst welding takes place in one station, the other station 2 can be loaded. All robot and positioner axes are fully synchronised. This provides excellent welding results, reduces the secondary processing times and speeds the entire process run enormously.

Overview of your benefits

- Compact: Just integrate the cells into your production - the compact design facilitates transportation and saves production area.
- Plug & Weld: Benefit from easy assembly and maintenance - our compact cells are delivered ready to weld and are completely pre-installed.
- Flexible: Use the compact cells for numerous applications and realise individual extensions and retrofits at any time – the modular design makes it possible.
- User-friendly: Use our comfortable operating panels - we guarantee easy, precise and intuitive handling.
- Reliable: Count on "Made in Germany" – as technology leader we guarantee maximum performance in proven CLOOS quality from a single source.

## Technical Data

Nominative load capacity	250 kg
Clamping	1250 / 1500 / 1750 / 2000 mm
By turning radius	400 mm
Torque	250 Nm
Tipping point	950 Nm
Pivotal moment	1000 Nm
Moment of inertia	40 kgm <sup>2</sup>
Rotation speed	120°/sec
Cycle time	3 sec 180°
Loading height	925 mm
Max. Component size / Clamping plate	Ø 800 x 1250 mm
Safety technology	Light barriers, opt. Light curtain
Dimensions (L/W/H)	5700 x 2400 x 2500 mm
Total weight	max. 3000 kg