

QIROX

WM series:
The compact solution

CLOOS

Weld your way.



WM series: The compact solution

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Automated welding and cutting with system

QIROX comprises all solutions for automated welding and cutting. Due to its modular design, the QIROX system allows scalable solutions which can perfectly match your production requirements. The QIROX system includes the robot technology, positioners,

safety technology, software, sensors and the interface to the process technology. It is supplemented by a comprehensive accessories program and matching services.



International top class

The robot is the central element in the QIROX solution package. You benefit in particular from the modular design of the entire mechanics. All components of the robot, from the robot base to the wrist, are perfectly matched to each other. By using different component groups, you get a customised welding robot for every production requirement. With our four robot series for different applications, optimal solutions can be realised for the most diverse welding

processes and production environments. Depending on your requirements, you can choose between a robot with a classic or a hollow shaft wrist. The robot is supplemented by a variety of different positioners. These expand the working area of the robot and bring the workpieces into an optimal processing position.

- **Flexibility:** Modular design for tailor-made systems, perfectly adapted to individual production requirements
- **Quality:** Repeatability, long service life and maintenance intervals
- **Service:** Global dense service network and high availability of consumables and spare parts

WS Series

The entry model:
Easy entry into the world of robot welding



WM Series

The compact solution:
Agile and highly dynamic for short cycle times



WL Series

The all-rounder:
Flexible application possibilities for individual requirements



PL Series

The power pack:
Precise and powerful for high payloads and a wide range of applications



The compact solution:

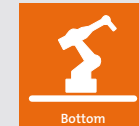
Agile and highly dynamic for short cycle times

The models of the **WM series** are designed for standard welding processes. They are characterised by a compact design and act highly dynamically. Therefore, they are ideally suited for use in our compact cells and systems.

- Highly dynamic, agile and efficient
- Small floor space due to compact design



Assembly



Processes



Application range Classic wrist

■ MIG/MAG
 DuoDrive
Standard

Single wire

Tandem

■ TIG

■ Sensors



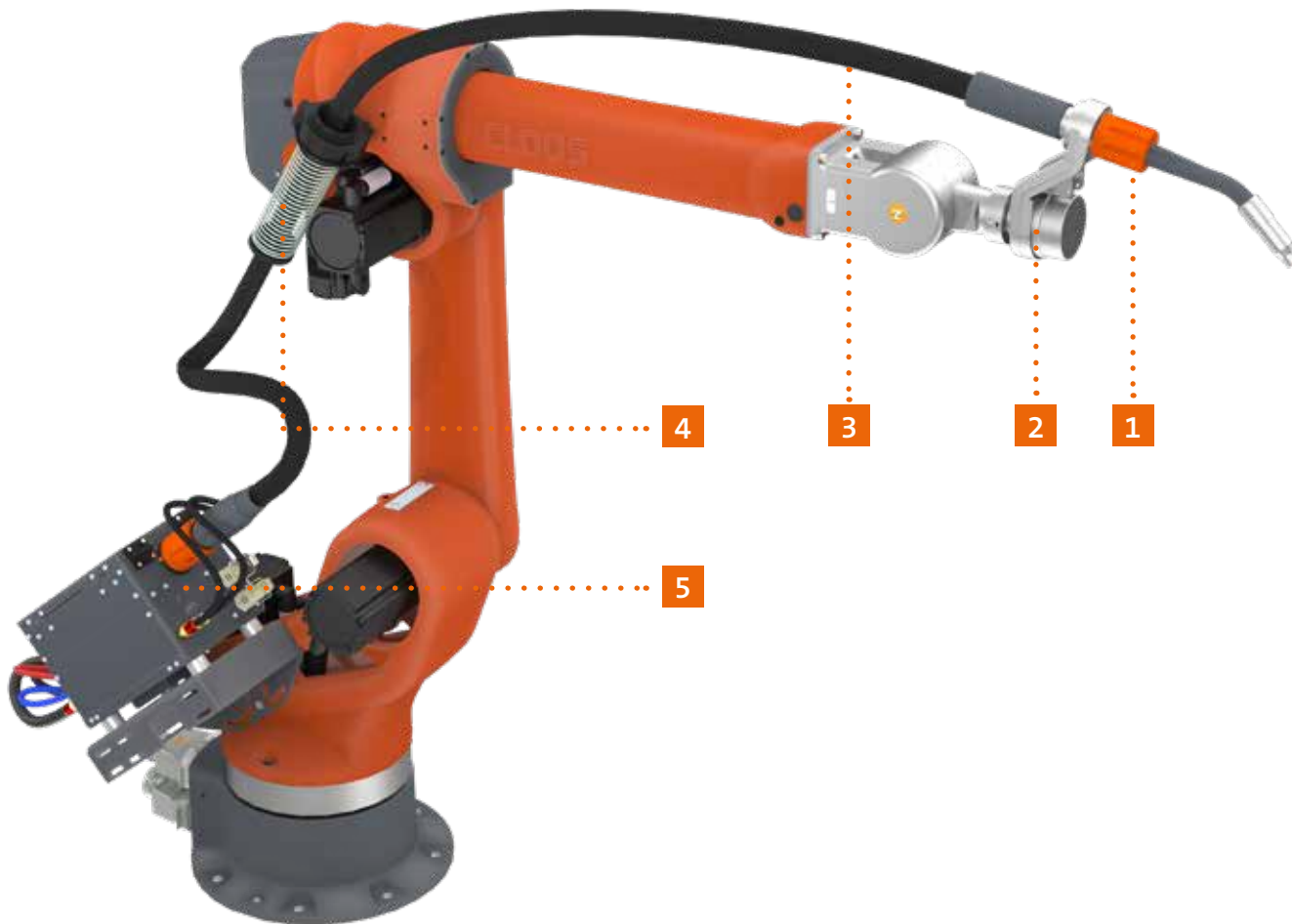
Application range Hollow wrist

■ MIG/MAG DuoDrive Standard

■ Sensors

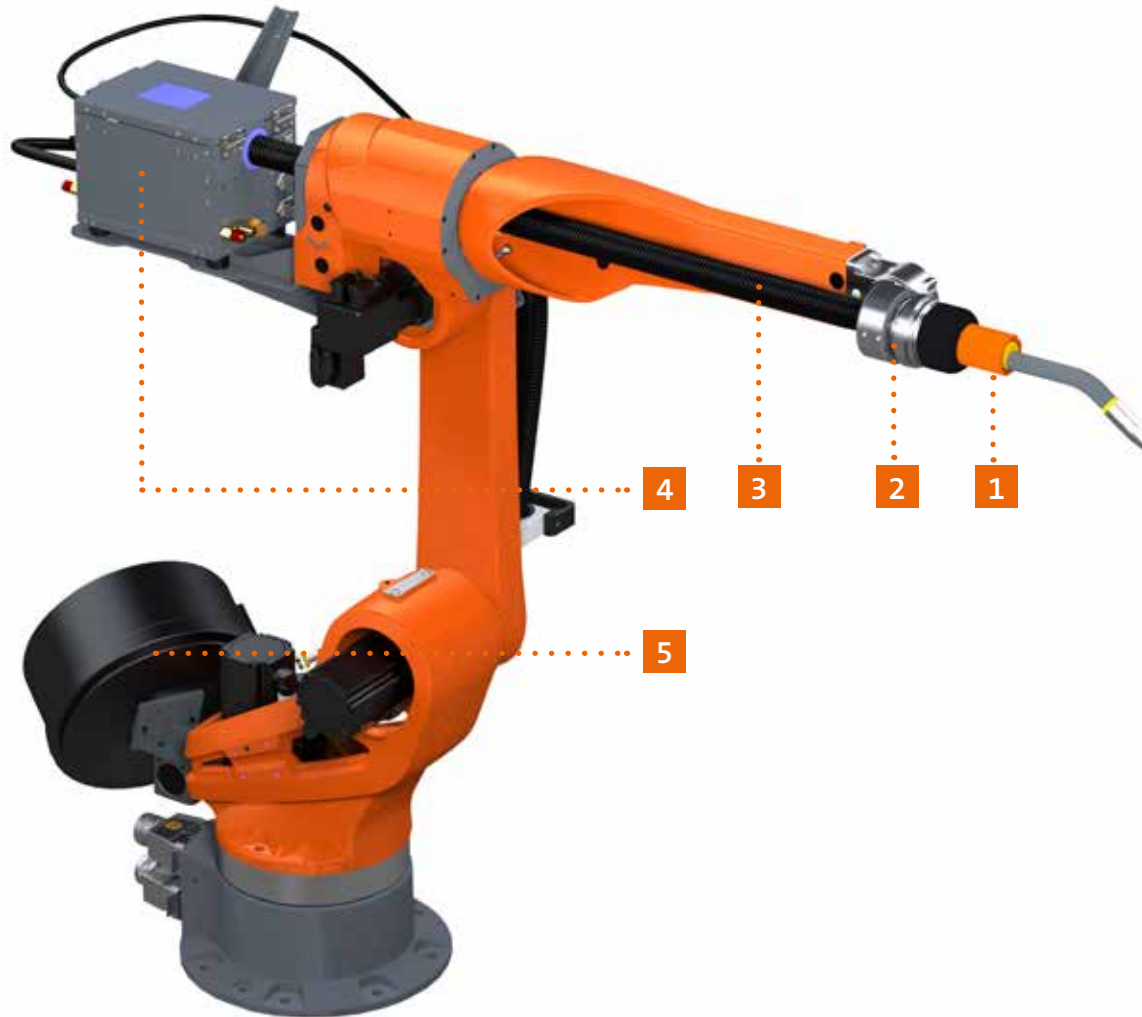


Welding equipment Classic wrist



- 1 Robot welding torches
- 2 Mounting flange with integrated anti-collision sensor
- 3 Torch cable assembly
- 4 Flexible hose guide
- 5 Wire drive QN-WD-AR

Welding equipment Hollow wrist






- 1 Robot welding torches
- 2 Mounting flange with integrated anti-collision sensor
- 3 Torch cable assembly
- 4 Wire drive QN-WD-AR
- 5 Wire storage

The compact solution:

Agile and highly dynamic for short cycle times

Assembly

Process

	Floor	Slope	Wall	Ceiling	MIG/MAG	MIG/MAG QN-RF-Duo*	MIG/MAG Tandem	MIG/MAG Tandem QN-RF-Duo**	TIG	TIG QN-WD-RF-Mono*	Plasma and oxyacetylene cutting	Laser cutting	Laser welding	Laser hybrid welding	Grinding and polishing	Handling
QIROX QRC-230  6-axis robot mechanics with classic wrist and 2,300 mm working envelope	X	O	O	X	X	X	X	X	X	X						
QIROX QRC-300  6-axis robot mechanics with classic wrist and 3,000 mm working envelope	X			X	X	X			X	X						
QIROX QRH-280  6-axis robot mechanics with hollow shaft wrist and 2,800 mm working envelope	X			X	X	X										

X Series

O Option

* Additional wire drive, mounted on the robot wrist

** Wire drive, mounted on the robot wrist

Accessories



Wire feed distance

Safe wire feed for perfect welding results

- Powerful 4 roller drive
- Slip- and abrasion-free wire feed
- Maintenance-friendly



Welding torch

with anti-collision sensor

Powerful welding torch for robot application

- Liquid cooled
- Very high capacity class 550 A at 100% duty cycle
- Robust and compact design

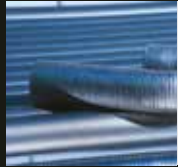


Sensors

Quality assurance through precise welding processes

- Considerably improved weld quality
- Reduction of manual effort
- Minimum rework

With CLOOS you weld and cut ...



... all types of metal!



... and profit from many additional services!



... all material thicknesses from 0.5 to 300 mm!



... in all industries!



... with innovative processes!



... all over the world!



... manually or automated, just as you need it!



... to your utter satisfaction!



... efficiently and individually!



... and benefit from more than 100 years of welding experience!



...Single source supply!

All over the world

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QR4026-QIROX_Roboterserie-WM-EN
Subject to technical alterations.

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