

# CO-BRO<sup>®</sup> FLEX

CO-BRO<sup>®</sup> FLEX is a high-tech workstation for robotic collaborative MIG- MAG welding with a comprehensive and intuitive software interface integrating the latest generation of the Böhler Welding URANOS NX 5000 PME welding generator, the collaborative robotic arm and all accessories. The collaborative robot concept, flexibility, all-round accessibility and extremely simple programming make the difference.


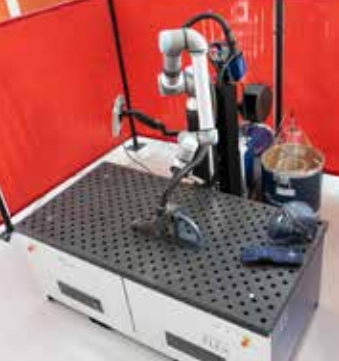

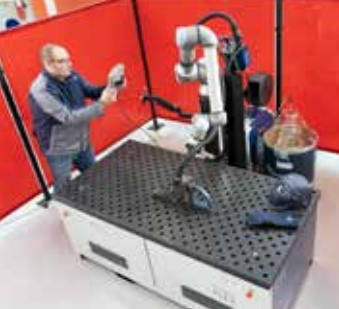


## MAIN BENEFITS

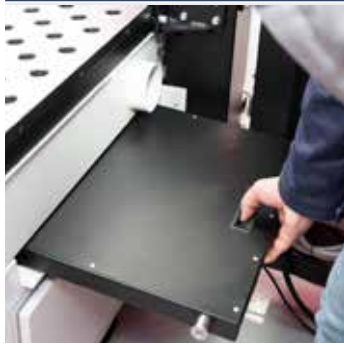

Simple and intuitive interface	▶	Maximum ease of use and flexibility in programming Touchscreen pad Wireless 4-button handset
The Perfect Weld Seam	▶	Excellent welding performance. More than just a robot: it combines Böhler Welding's expertise and the perfect integration of collaborative robotics with the Böhler Arc synergic lines and special processes with Böhler Welding consumables
Plug & Play	▶	Simply connect CO-BRO <sup>®</sup> FLEX and the welding system to power and utilities



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Product features	User benefits	
	<ul style="list-style-type: none"> <li>» User-friendly software and 4-button wireless interface</li> </ul>	<ul style="list-style-type: none"> <li>» Compensates the lack of experienced operators and welders</li> </ul>
	<ul style="list-style-type: none"> <li>» It can be easily positioned in the workshop without disassembly</li> <li>» Power supply required: 230 V and 3x230 - 400 V</li> <li>» Prepared for compressed air and shielding gas</li> </ul>	<ul style="list-style-type: none"> <li>» Plug &amp; Play. Simply connect the power supply and utilities</li> <li>» Maximum portability and ease of installation</li> </ul>
	<ul style="list-style-type: none"> <li>» URANOS NX 5000 PME high-performance heavy-duty welding system integrated with 90° turnable rack</li> <li>» Comprehensive library including 490 synergic welding programmes special processes and Böhler Arc included</li> <li>» Large Siegmund welding table 2 x 1 m -</li> <li>» Raised arm position - more space available in height</li> </ul>	<ul style="list-style-type: none"> <li>» High quality, maximum productivity and repeatability</li> </ul>
	<ul style="list-style-type: none"> <li>» 360° accessible barrier system</li> </ul>	<ul style="list-style-type: none"> <li>» Easy positioning of bulky parts and complex shapes</li> </ul>

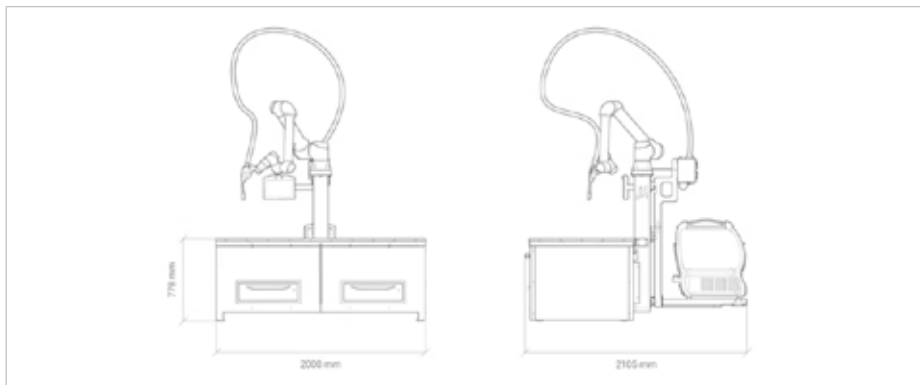
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Product features	User benefits
 <ul style="list-style-type: none"><li>» Inclined plane under the bench for removing splashes and residues</li><li>» Drawer cabinets</li><li>» Immediate accessibility to the control panel</li></ul>	<ul style="list-style-type: none"><li>» Simple and practical management and maintenance</li></ul>
Product features	User benefits
 <ul style="list-style-type: none"><li>» Table divider housed inside the unit. Placed on the table it divides it into 2 working areas</li></ul>	<ul style="list-style-type: none"><li>» Possibility of carrying out welding and workpiece positioning operations simultaneously</li></ul>

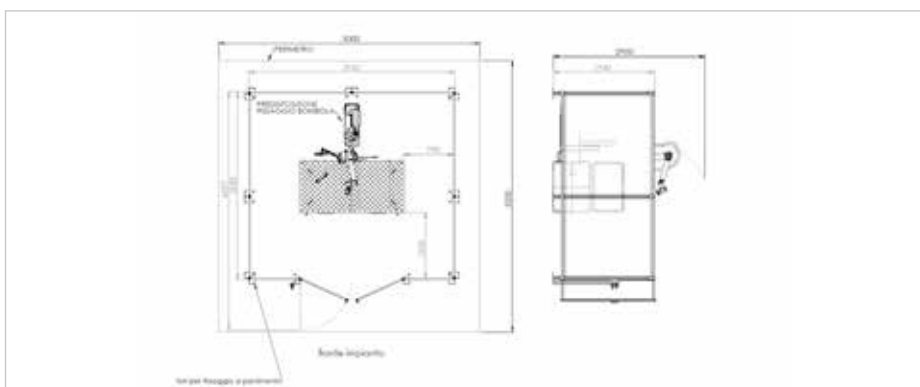


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Technical Data	
Working area LxWxH [mm]	2000x1000x1200 or 2x1,000x1000x1200 (with divider)
Maximum permitted weight [kg]	1,000
Welding plant	URANOS NX 5000 PME - Water
Collaborative Robot	Universal Robot UR10e 6-axis collaborative robot, accuracy +/-0.1mm, with usable load according to ISO 9283 (1300mm arm)
Fume extraction systems	Integrated high vacuum (torch extraction) system (optional) Ready for low vacuum (external suction)
Electrical utilities	230V AC - 50 Hz - 1000W - collaborative robot 230V AC 50Hz - 200W - controls 3x400/230V±15% 50Hz 23.6/24.5 kVA Welding system
Other utilities	Provision for compressed air Additional screen for weldNet management system <sup>®</sup>
Dimension [mm]	As per diagram
Weight [kg]	1,000



Overall Dimension of CO-BRO<sup>®</sup> FLEX workbench



Overall Dimension of CO-BRO<sup>®</sup> FLEX including peripheral protection