

# CLOOS ArcBoT Cobot Welding System

## Your introduction to welding automation

As a pioneer of welding, we know one thing for sure: It's not an easy job! Shorter cycle times, lack of manpower, higher demands in flexibility and quality are the current challenges most welding businesses have to tackle.

The CLOOS QINEO ArcBoT provides a simple introduction to automated welding. It enables cost-effective welding of small batch sizes with consistently high quality. The advanced MIG/MAG welding power source, paired with the precise Cobot offers optimal synergy. This relieves employees from monotonous tasks and ensures excellent, reproducible welding results.



## CLOOS QINEO ArcBoT

**That's collaborative welding made for the North American market.**

### If you aim for:

- Quick and Easy Programming: No previous knowledge of robot programming required
- 4 built-in weaving patterns for all welding conditions
- "Ready to weld" Complete package: ready for welding within hours of delivery
- Excellent Welding Quality: reproducible welding results for maximum efficiency
- Self contained and can be easily relocated
- High Economic Efficiency: Short payback time
- Compact Design: Space-saving for flexible adaptation to your production
- Highest precision and safety: Torque sensors in all axes

**...CLOOS QINEO ArcBoT is your first choice!**



## Whats Included

- Doosan M1013 Cobot
- Heavy Duty 1m x 2m Work Table
- Qineo StarT 406 Welding pkg.
- Seam Tracking
- Touch Sensing
- Fine Weld Process for thin material

## Additional Options

- Fume Extraction Torch
- Arc Flash Protection
- Aluminium Welding

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## Robot Data

<b>Axes</b>	<b>6</b>
<b>Pay Load</b>	<b>10kg [22 lbs.]</b>
<b>Range</b>	<b>1300mm [51 in.]</b>
<b>Speed</b>	<b>1m/s [39 in/sec]</b>
<b>Repeatability</b>	<b>± 0.1mm [0.0039 in.]</b>
<b>Operating Temp.</b>	<b>5-45°C [41-113°F]</b>
<b>System Weight</b>	<b>630kg [1400 lbs.]</b>
<b>Mounting Position</b>	<b>Floor, Ceiling, Wall</b>
<b>Protection Class</b>	<b>IP54</b>
<b>Power Requirments</b>	<b>480v 3ph &amp; 110v</b>

## Table Dimensions

<b>Max Table Capacity</b>	<b>2800kg [6200lbs]</b>
<b>Length</b>	<b>2000mm [79"]</b>
<b>Width</b>	<b>1000mm [39"]</b>
<b>Height</b>	<b>890mm [35"]</b>
<b>Capacity</b>	<b>2800kg [6200lbs]</b>

## Power Source Data

<b>Welding Current</b>	<b>20A/15V-400A/34V</b>
<b>Welding Current [60% dc]</b>	<b>400A</b>
<b>Welding Current [100% dc]</b>	<b>350A</b>
<b>Mains Voltage</b>	<b>480V 3ph</b>
<b>Mains Slow, fuse acting</b>	<b>32A</b>
<b>Protection Type</b>	<b>IP23</b>
<b>Dimensions [mm]</b>	<b>720x340x500mm</b>
<b>Dimensions [in]</b>	<b>28x14x20 in</b>
<b>Weight</b>	<b>63kg [140lbs]</b>
<b>Weight of cooling unit</b>	<b>18.5kg [41lbs]</b>