

BRTIRWD1506A – Dedicated welding robot



Borunte BRTIRWD1506A – dedicated 6-axis arc welding robot

Product description

The BRTIRWD1506A is a 6-axis industrial robot designed specifically for the needs of the welding industry. Its compact structure, small footprint and low weight (approx. 166 kg) make it ideal for installation in tight production cells. It has an arm length of 1 600 mm and a maximum payload of 6 kg.

The hollow wrist design allows welding cables and shielding gas hoses to be routed internally, resulting in more flexible movement, less external cable clutter and longer cable life. Repeat positioning accuracy is ± 0.06 mm, providing an excellent basis for consistent weld seams.

Typical applications

- MIG/MAG arc welding – steel, stainless steel and aluminium parts
- Building automated welding cells – for small and medium batch sizes
- Space-saving installation – fits into tight production cells and existing lines
- Assembly and container manufacturing, welding of automotive subassemblies

Technical specifications

Parameter	Value
Total arm length	1 600 mm
J1 (axis 1–2, horizontal)	170 mm
J2 (base to axis 2)	488 mm
J3 (axis 2–3)	650 mm
J4 (axis 3–5, horizontal)	200 mm
J5 (axis 3–5, vertical)	625,5 mm
Maximum payload	6 kg
Repeat positioning accuracy	±0,06 mm
J1 rotation range	±165°
J2 rotation range	-100° / +70°
J3 / J4 / J5 / J6	±80° / ±150° / ±110° / ±360°
J1 max. speed	163°/s
J6 max. speed	398°/s
Power	4,64 kVA
Protection rating	IP54
Weight	~166 kg
Wrist design	Hollow – internal cable routing

Table 4 – BRTIRWD1506A technical specifications

