

BRTIRUS1510A – Versatile 6-axis robot for medium-sized machines



Borunte

BRTIRUS1510A – 6-axis robot for 200–600 T injection moulding machines

Product description

The BRTIRUS1510A is a six-degree-of-freedom robot designed for complex industrial applications, with an arm length of 1 500 mm and a payload of 10 kg. Its lightweight arm structure and compact mechanical design enable high-speed, flexible movement even in confined working areas. It is particularly well suited to 200–600 T injection moulding machines.

The robot comes with an IP54 protection rating and a Huacheng control system. From polishing through welding and injection moulding to assembly, inspection and gluing, the entire production process can be automated with a single robot.

Typical applications

- Injection moulding machine tending on 200–600 T machines – loading/unloading, post-processing handling
- Polishing and surface treatment – automotive and consumer electronics parts
- Inspection and gluing – high-precision, repetitive tasks
- Welding tasks (not dedicated, but applicable)

Technical specifications

Parameter	Value
Total arm length	1 500 mm
J1 (base to axis 2)	488 mm
J2 (axis 2–3)	650 mm
J3 (axis 3–5)	634,4 mm
Maximum payload	10 kg
Repeat positioning accuracy	±0,05 mm
J1 rotation range	±165°
J2 rotation range	-95° / +70°
J3 rotation range	-85° / +75°
J4 / J5 / J6 range	±180° / ±115° / ±360°
J1 max. speed	190°/s
J6 max. speed	336°/s
Power	5,06 kVA
Protection rating	IP54
Weight	~150 kg
Recommended IMM range	200–600 T

Table 3 – BRTIRUS1510A technical specifications

