

BRTIRUS0805A – Compact 6-axis robot for injection moulding



Borunte BRTIRUS0805A – compact 6-axis robot for 30–250 T injection moulding machines

Product description

The BRTIRUS0805A is Borunte's third-generation robot, characterised by a compact design, a simple user interface, outstanding positioning accuracy and excellent dynamic performance. With a payload of 5 kg and an arm length of 940 mm, it is ideally suited to automating small and medium-sized injection moulding machines (30–250 T).

Thanks to its six degrees of freedom, it can be used flexibly for die casting, forging, loading and unloading, order picking and assembly. It is particularly recommended for plants where tasks demanding high repeatability must be carried out within a small working area.

Typical applications

- Injection moulding machine tending: part loading and unloading on 30–250 T machines
- Order picking and material handling – small, lightweight parts
- Building automated cells combined with assembly
- Die casting, forging and surface treatment tasks

Technical specifications

Parameter	Value
Total arm length	940 mm
J1 (base to axis 2)	415,5 mm
J2 (axis 2–3)	390 mm
J3 (axis 3–5)	394 mm
Maximum payload	5 kg
Repeat positioning accuracy	±0,05 mm
J1 rotation range	±170°
J2 rotation range	-98° / +80°
J3 rotation range	-80° / +95°
J4 / J5 / J6 range	±180° / ±120° / ±360°
J1 max. speed	237°/s
J6 max. speed	588°/s
Power	2,8 kVA
Protection rating	IP54
Weight	~53 kg
Recommended IMM range	30–250 T

Table 2 – BRTIRUS0805A technical specifications

