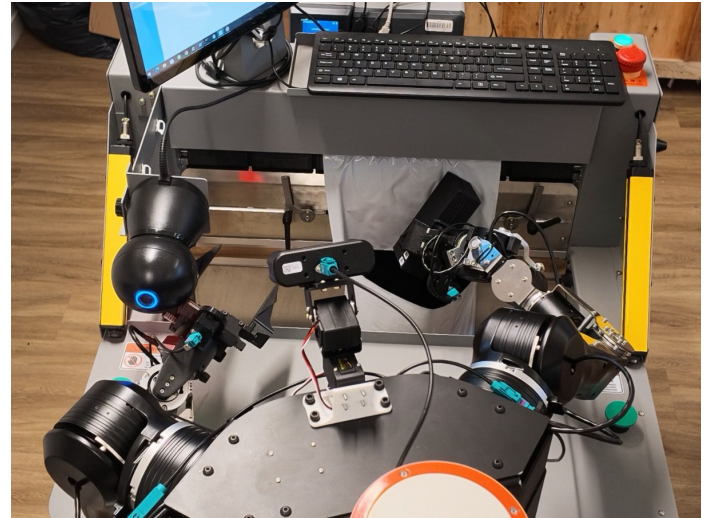


Universal packaging robot

InLoop Pro · Packaging



InLoop robot

System

Footprint	1.25 × 1.25 m (1.56 m ²)
Overall height	≈1.7 m, typical pose
Mass	171 kg (FR30 85 + worker 13 + base 73)
Mounting	Stationary, FR30 on floor pedestal
Installation time	30 min

Manipulation

Configuration	Bimanual, 2 × 7-DoF arms on 6-axis FR30
Reach height	0 (ground) to 2.7–2.8 m max
Working height	1.7 m usual, up to 2 m comfortable
Reach radius	System 2.0 m, 0.63 m per arm
Payload per arm	1.5 kg nominal / 4 kg peak
Bimanual payload	≈3 kg (2 × 1.5 kg)

Autonomy and software

Remote supervision	Remote team; data privacy options available
Inference	Cloud or local (RTX 5090)
New task adaptation	Instant, at additional charge
Behaviour	Customizable

Power and connectivity

Power	230 V AC, single phase, any standard wall outlet
Consumption	≈800 W average, ≤1.2 kW max (sizing ceiling)
Network	Wired Ethernet, 60 Mbps minimum

Use case: Packaging

Task

Description	Autobagging machine operation
Process	Pick item → scan item → place into bag

Throughput performance

Sustained	90 orders/h ^T (120 without scanning)
Peak	120 orders/h ^T (160 without scanning)
Cycle time	30–40 s per order ^M

Under full workflow: pick → scan → bag. Without scanning: pick → bag.

Reliability

Interventions	12 per hour
Uptime	99.9 % ^T

Items

Item size	Smallest dimension 3–80 mm
Item weight	Up to 1.5 kg
Item types	Anything: bottles, boxes, deformables, clothes, polybags
SKU variety	Unlimited

Integration

Host systems	Connects to WMS / APIs
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