

LINEAR GANTRY RLP250

FOR ENHANCED QUALITY AND PRODUCTIVITY IN LARGE-SCALE WORKSPACES

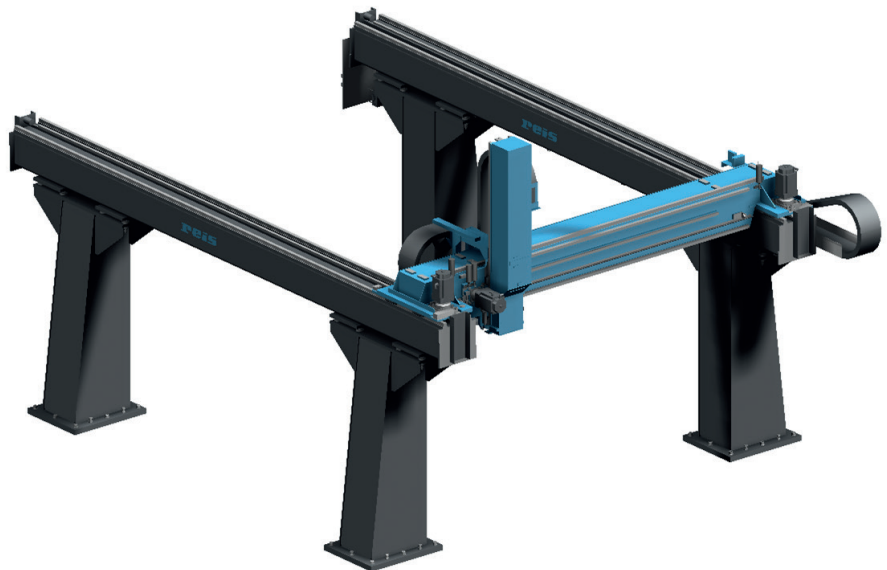
In its maximum configuration, the **RLP250 linear gantry robot** has three cartesian axes and three rotary axes, which are fully synchronized and interpolated servo axes controlled by the robot controller. The double-sided bearing of the first axis ensures maximum dynamics with very high stability.

The experience gained from a large number of installed handling applications and our expertise as one of the leading providers of intelligent automation solutions for more than five decades have been incorporated into the development of the new **RLP250**.

The option of adding two or three-axis laser-specific wrist axis modules enables our customers to also use the **RLP250 linear gantry robot** for welding applications.

YOUR BENEFITS

- combined with the very low interference contours of the robot kinematics, this is ideal for interlinking work sequences for loading and unloading, but also for palletizing or transferring
- modular design with workspaces from 6 m³ to 202 m³ make the **RLP250** a safe investment for your automation system
- state-of-the-art servo drive technologies are used to achieve the best possible dynamics, performance and reliability



SCOPE OF SUPPLY INCLUDING

- **RLP250** with flexible stroke and staggered operating height
Basic stroke:
A1 = 4,000 mm,
A2 = 2,000 mm,
A3 = 750 mm

OPTIONS

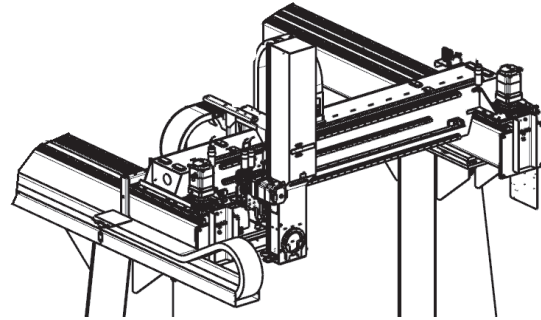
- Manual axis module
- Incremental stroke lengths A1 – A3
- Incremental height adjustment of the support columns
- Redundant holding brake A3
- Central lubrication system
- Energy supply
- Adapted to customer specifications
- Extra seals for guiding systems



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Technical data

Nominal payload capacity	kg	250
Payload range (depending on stroke A3)	kg	-
Repeat positioning accuracy	mm	± 0.05
Number of axes		3
Work envelope	m ³	6 to 202
Medium power consumption	kVA	7.8
Connected load	kVA	12.2
Weight of basic stroke A1 – A3 (without support columns, without load)	kg	5,050



Velocities

A1	m/s	1.5
A2	m/s	1.5
A3	m/s	1

Strokes

		A1	A2	A3
Basic stroke	mm	4,000	2,000	750
Max. stroke	mm	30,000	4,500	1,500
Extension steps	mm	500	500	250
Extra weight for each upgrade	kg	264	175	20

Support column

Basic size	Rectangular support column		
Basic height	mm	2,150	
Maximum height	mm	3,150	
Height of extension steps	mm	250	
Support column spacing (max.)	mm	5,000	
Support arm projection (max.)	mm	1,250	

Table Maximum load A3

Stroke lengths A3 [mm]	Load (max.)	
750	kg	250
1,000	kg	250
1,250	kg	250
1,500	kg	250

 For further information please contact us under: sales@reisrobotics.com

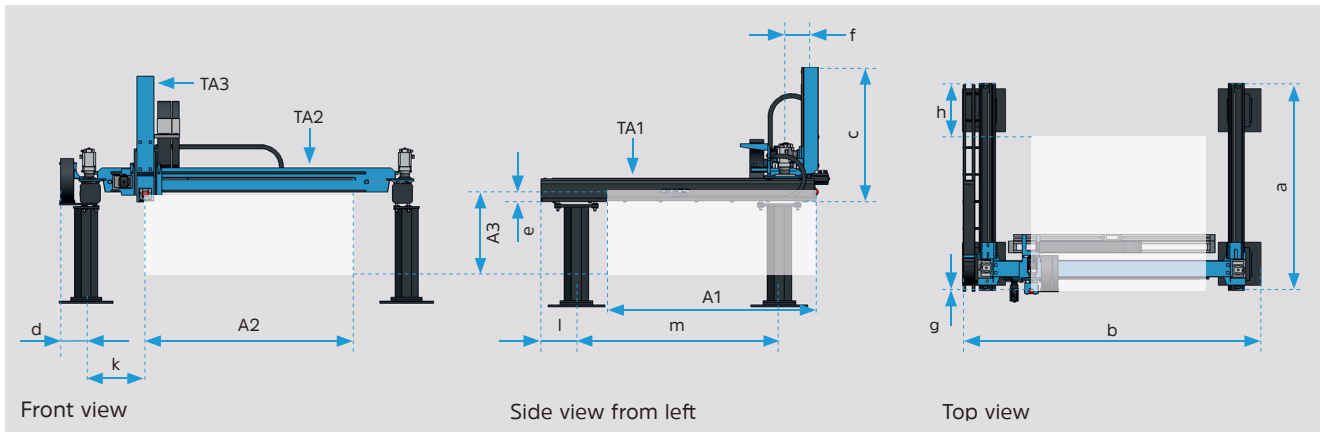
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Statements on quality and usability of the products are no warranty of properties, but are for information only. The relevant object of the contract is decisive for the scope of our supply and services. Some illustrations may contain optional equipment that is not included in the standard scope of supply.

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WORK ENVELOPE



Legend

- A1** Stroke axis 1
- A2** Stroke axis 2
- A3** Stroke axis 3

- TAx** Support arm Axis x
- WS** Tool interface A3
- UK** Bottom edge
- OK** Upper edge

Space requirement / footprint

a	Overall length	mm	$A1 + 2,100$	g	Start TA1 to WS	mm	100
b	Total width	mm	$A2 + 3,125$	h	End TA1 to WS	mm	1,150
c	Total height (without stand)	mm	$A3 + 725$	k	Middle TA1 to WS	mm	835
d	Overhang E-chain	mm	535	l	max. ledge projection TA1	mm	1,150
e	Lower TA1 to WS	mm	245	m	max. distance between uprights	mm	5,000
f	Center TA2 to WS	mm	545				

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