

LINEAR GANTRY RLP70

BETTER RESULTS IN LARGE WORKSPACES FOR MORE QUALITY AND PRODUCTIVITY

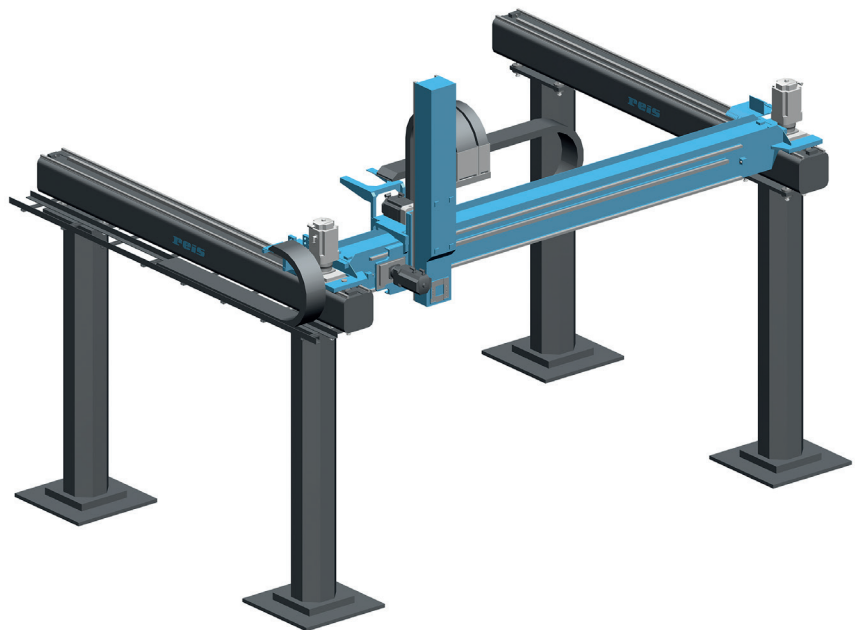
In its maximum configuration, the **RLP70 linear gantry robot** has three cartesian axes and three rotary axes, which are fully synchronized and interpolated servo axes controlled by the robot controller. The double-sided bearing of the first axis ensures maximum dynamics with very high stability.

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 **RLP70**.

The **Linear Portal RLP70** has been conceptually developed for high-precision and very dynamic laser welding and cutting tasks. If the **RLP70** is extended with two or three-axis laser-specific wrist axis modules and a fibre-guided laser, either highly integrated laser cutting optics or laser welding optics can be adapted and complex 3D applications can be realized.

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 0.5 m³ to 90 m³ make the **RLP70** 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

- **RLP70** with flexible stroke and staggered operating height
Basic stroke:
A1 = 1,000 mm,
A2 = 1,000 mm,
A3 = 500 mm

OPTIONS

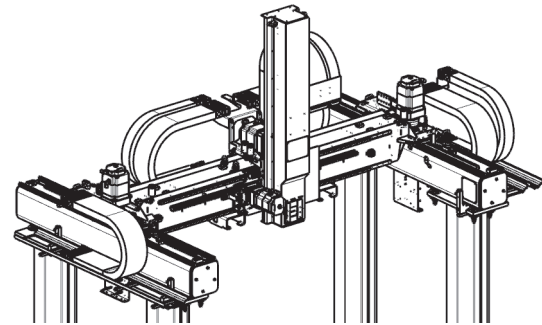
- Wrist axle modules
- Incremental stroke lengths A1 – A3
- Incremental height adjustment of the support columns
- Redundant holding brake A3
- Central lubrication system
- Energy supply
- Adapted to customer specifications
- Extra seals for guiding systems



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Technical data

Nominal payload capacity	kg	70
Payload range (depending on stroke A3)	kg	-
Repeat positioning accuracy	mm	±0.02
Number of axes		3
Work envelope	m ³	0.5 to 90
Medium power consumption	kVA	7.0
Connected load	kVA	11.0
Weight of basic stroke A1 – A3 (without support columns, without load)	kg	2,550



Gravty centre of total mass
observe max. tilting moment

Velocities

A1	m/s	2
A2	m/s	2
A3	m/s	2

Strokes

		A1	A2	A3
Basic stroke	mm	1.000	1.000	500
Max. stroke	mm	30.000	3.000	1.000
Extension steps	mm	500	500	250
Extra weight for each upgrade	kg	140	35	13

Support column

Basic size	mm	345
Basic height	mm	1.750
Maximum height		tbd
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.)	
1,000	kg	70
1,250	kg	70
1,500	kg	70

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

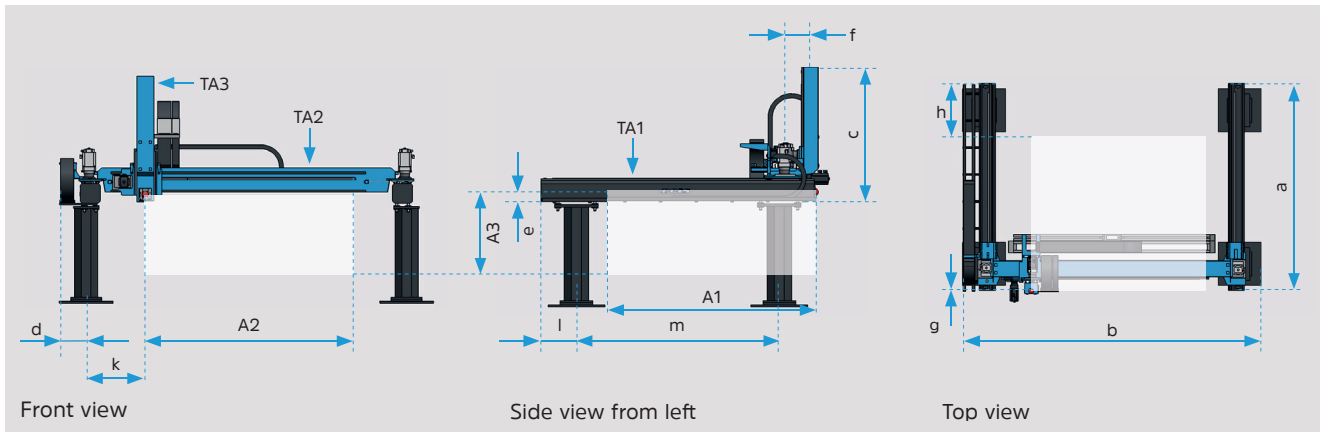
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ADDITIONAL LOAD



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 + 850	g	Start TA1 to WS	mm	15
b	Total width	mm	A2 + 1,550	h	End TA1 to WS	mm	815
c	Total height (without stand)	mm	A3 + 900	k	Middle TA1 to WS	mm	880
d	Overhang E-chain	mm	485	l	max. ledge projection TA1	mm	500
e	Lower TA1 to WS	mm	130	m	max. distance between uprights	mm	5,000
f	Center TA2 to WS	mm	410				

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