



Standard gantry systems

RK Rose+Krieger has capitalised on its many years of experience in the development and manufacture of linear technology and has conceived various standard gantry systems on the basis of its own linear units modular principle. The individual design elaboration of single customer projects is no longer necessary, thus reducing both yours costs and our delivery times.

The modular structure of these standard gantries and their manifold variants enable flexible assembly. So it is possible to choose from among various systems and three different configurations ranging from a simple mechanical system up to a ready-to-mount complete system including motors. Whether simple linear gantries, 2-axis or 3-axis space gantries are required, the customer only needs to define the variables and he rapidly receives the quotation for a complete pre-calculated system including specifications and drawings.

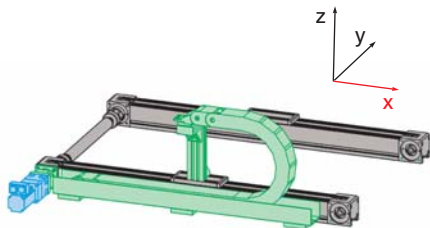
1st configuration: mechanical system

2nd configuration: system w. drag chain and motor adapt.

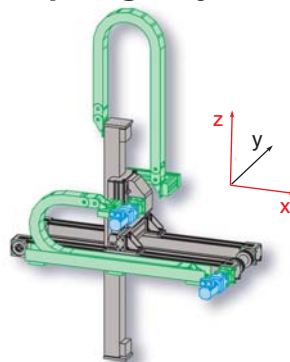
3rd configuration: complete system including the motors



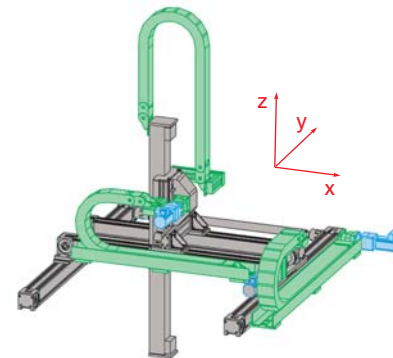
Linear gantry



2-axis space gantry (X/Z)



3-axis space gantry (X/Y/Z)

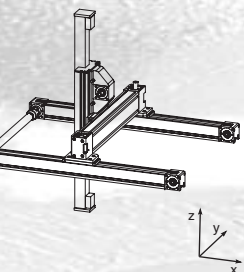
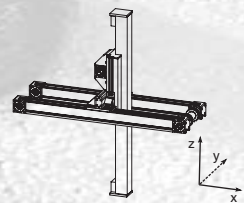




RK ROSE+KRIEGER

A Phoenix Mecano Company

System summary



Typ	linear unit	max. travel length [m]	max. speed [m/s]	max. acceleration [m/s ²]	load [N]
Linear gantry					
X	RK DuoLine Z 120x80	5,5	1,5	1	800
X	2x RK DuoLine Z 50	2,8	2	3	400
X	2x RK DuoLine Z 80	5,5	1,5	1	1200
2-axis space gantry					
X	RK DuoLine Z 120x80	5,5	1,5	1	
Z	SQ MT 60	1,5	1	2	150
X	2x RK DuoLine Z 80	5	1	1	
Z	SQ MT 80	2	0,5	0,2	300
X	2x RK DuoLine Z 80	5	1	1	
Z	SQ MT 80	2	0,5	0,2	800
3-axis space gantry					
X	2x DuoLine Z 80	5	1,5	1	
Y	RK DuoLine Z 120x80	2,5	1,5	1	
Z	SQ MT 60	1,5	1	2	150
X	2x RK DuoLine Z 80	5	1	1,5	
Y	2x RK DuoLine Z 80	2	1	1,5	
Z	SQ MT 80	2	0,5	0,2	300
X	2x RK DuoLine Z 80	5	1	1,5	
Y	2x RK DuoLine Z 80	2	1	1,5	
Z	SQ MT 80	2	0,5	0,2	800

Drives: servo motor

Delivery time: 4 weeks after finalised technical clarification

Accessories: limit switch, drag chain