



SGH-4 OVERHEAD BRIDGE GANTRY

AXES CONFIGURATIONS		X, XY, XYZ, XZ	XH4 - DUAL	XH4 - DUAL	XH4 - DUAL	XH4 - DUAL
X AXES	Max. payload		4.000 kg	4.000 kg	4.000 kg	4.000 kg
	Acceleration Time		1.5 s	1.5 s	1.5 s	1.5 s
	X module lengths		Up to 6 m	Up to 6 m	Up to 6 m	Up to 6 m
	Stroke range		No Limit	No Limit	No Limit	No Limit
	Repeatability		0.05 mm	0.05 mm	0.05 mm	0.05 mm
	Max. speed		1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
Y AXES			YB6	YB6	YB6	YB6
	Max. payload		3.000 kg	3.000 kg	3.000 kg	3.000 kg
	Acceleration Time		1.5 s	1.5 s	1.5 s	1.5 s
	Max. stroke		12 m	9.5 m	8.5 m	6.5 m
	Max. speed		1.5 m/s	1.5 m/s	1.5 m/s	1.5 m/s
	Repeatability		0.05 mm	0.05 mm	0.05 mm	0.05 mm
Z AXES			Z01	Z03	Z07	Z15
	Max. payload		150 kg	300 kg	700 kg	1.500 kg
	Acceleration Time		1 s	1 s	1 s	2 s
	Max. stroke		3 m	3 m	3 m	2 m
	Max. speed		0,6 m/s	0,4 m/s	0.3 m/s	0.25 m/s
	Repeatability		0.05 mm	0.05 mm	0.05 mm	0.05 mm
FLANGE HEIGHT		End flange height from the floor	Up to 4 m	Up to 4 m	Up to 4 m	Up to 4 m

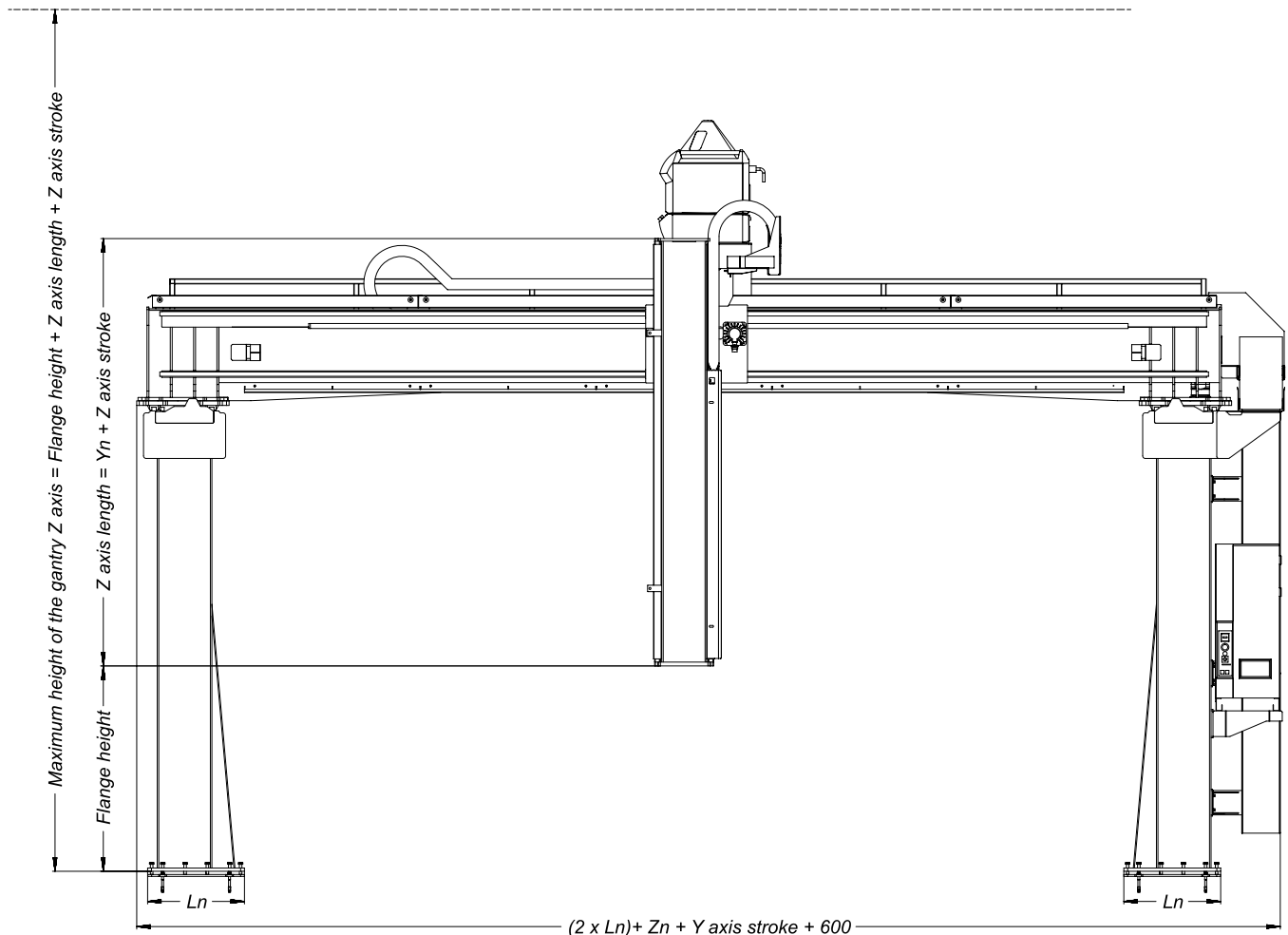
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Specifications

- The SGH-4 family is a bridge gantry solution for smaller robots up to 1500k kg weight including end effector, on the 3-axis version.
 - The bridge gantry is designed to be used in applications where you need a long Y-stroke.
 - The gantry has new designed, low weight, high strength welded steel structure that make it possible to improve the performance drastically.
 - The design also makes it possible to manufacture this gantry to a low cost that will keep the price to customer low.
 - We are using state of art linear guiding systems and reduction gearboxes.
 - There is a wide working range
 - It's possible to use up to 3 robots on the same gantry system.
 - 1-3 axis options are available.
 - Wire barrel and welding unit carried on Y axis body.
- To reduce the max. height of the gantry, a Telescopic Z axis is optional.

Options

- INA, HIWIN, SCHNEEBERGER, REXROTH Linear Guiding Systems.
- Coated rollers, guideways and racks.
- Auto lubrication.
- Telescopic Z axes.
- Limit switch option.
- Zone switch.
- Enclosed cable chain.
- Robot integration.
- Welding package carriages.
- Standard Service platform (ladder with side barriers).
- Advanced service platform (stair with walking platforms).
- Robot Control Unit Carriage.
- Special color of paint.
- Z axes safety break.



Yn		Ln		Zn	
YS2	800 mm	LH2	830 mm	Z01	700 mm
YS4	900 mm	LH4	880 mm	Z03	750 mm
YS6	1000 mm	LH6	930 mm	Z07	800 mm
YS10	1100 mm	LH10	1130 mm	Z15	850 mm
				Z30	900 mm

Please contact ADMEX in case the outer dimensions of the X-axis or XZ-axis gantries are required.

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