



### SGB-300-OH OVERHEAD BRIDGE GANTRY

AXES CONFIGURATIONS		XY, XYZ	LT VERSION	MD VERSION	HD VERSION
<b>X AXES</b>	Max payload	2x1.500	kg	2x2.500	kg 2x3.000 kg
	Max allowable extra load (includes Y and Z axes extra loads)	2x300	kg	2x500	kg 2x500 kg
	X module lengths	2-3-4	m	2-3-4	m 2-3-4 m
	Stroke range	1-39	m	1-39	m 1-39 m
	Length range (as uniting of 2m, 3m, and 4m modules)	2-40	m	2-40	m 2-40 m
	Max speed	1,7	m/s	1.2	m/s 1,2 m/s
	Average speed	1,4	m/s	1	m/s 1 m/s
<b>Y AXES</b>	Max payload	1.500	kg	2.500	kg 2.500 kg
	Max allowable extra load (includes Z axes extra loads)	300	kg	600	kg 600 kg
	Stroke range	3-5	m	3-13	m 3-15 m
	Length range (as uniting of 2m, 3m, and 4m modules)	4-6	m	4-14	m 4-16 m
	Max speed	1,7	m/s	1.2	m/s 1.2 m/s
Average speed	1,4	m/s	1	m/s 1 m/s	
<b>Z AXES</b>	Max payload	300	kg	300	kg 700 kg
	Max allowable extra load	50	kg	50	kg 20 kg
	Stroke range	1.5 - 2	m	1.5 - 2 - 2.5 - 3	m 1.5 - 2 m
	Max speed	0,4	m/s	0,4	m/s 0.3 m/s
	Average speed	0,3	m/s	0,3	m/s 0.25 m/s
<b>FLANGE HEIGHT</b>	End flange height from the floor	3-7	m	3-7	m 3-7 m
	Repeatability	0,2	mm	0.2	mm 0.2 mm

Technical data is subject to change without prior notice.

### Specifications

- The SGB-300-OH family is a bridge gantry solution for smaller robots up to 700 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 (up to 9m).
- 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 LINEAR GUIDING SYSTEMS.
- Coated rollers, guideways and racks.
- Linear carriages auto lubrication.
- Telescopic Z axes.
- Limit switch option.
- Zone switches.
- Automatic lubrication unit (guides and rack).
- Automatic lubrication unit (only rack).
- 300mm wide cable track (default 200mm).
- Cable chain dividers.
- 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.

### SGB-OH GANTRY MAX HEIGHT GRAPHICS

