

## Specifications

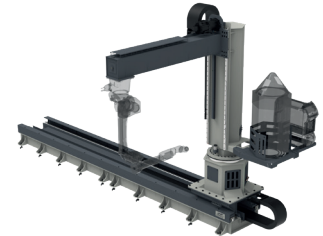
SGP-200-LT series pillar gantries are suitable for standard welding application for small and medium size work part.  
 Max X arm length is 2meter and max Z stroke is 1,5m.  
 Max height from robot plates to floor is 3 meter.  
 200kg payload admits to use all standard welding robot under the 10kg payload.

SGP-200-LT LIGHT PILLAR GANTR			
<b>AXES CONFIGURATIONS</b>	X, X+ROTARY, XZ, XZ+ROTARY		
<b>X AXES</b>	Max payload	2.000	kg
	Max allowable extra load (includes Y, Z and rotary axes extra loads)	300	kg
	X module lengths	2-3-4	m
	Stroke range	1-39	m
	Length range (as uniting of 2m, 3m, and 4m modules)	2-40	m
	Max speed	2	m/s
	Average speed	1,6	m/s
<b>ROTARY AXES</b>	Max inertia	7.750	kgm <sup>2</sup>
	Stroke range	±170	degree
	Max speed	8,6	rpm
	Average speed	7	rpm
<b>Y ARM</b>	Arm Length (Robot center to turning center)	1,5 - 2	m
<b>Z AXES</b>	Max payload	200	kg
	Max allowable extra load	20	kg
	Stroke range	1 - 1,5	m
	Max speed	0,7	m/s
	Average speed	0,5	m/s
<b>FLANGE HEIGHT</b>	End flange height from the floor	2-3	m
	Repeatability	0,05	mm

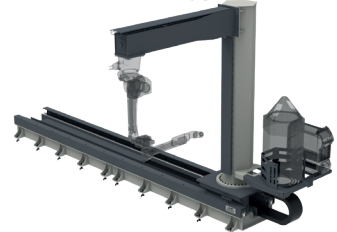
XZ Axes



XZ ROTARY Axes



X Axes



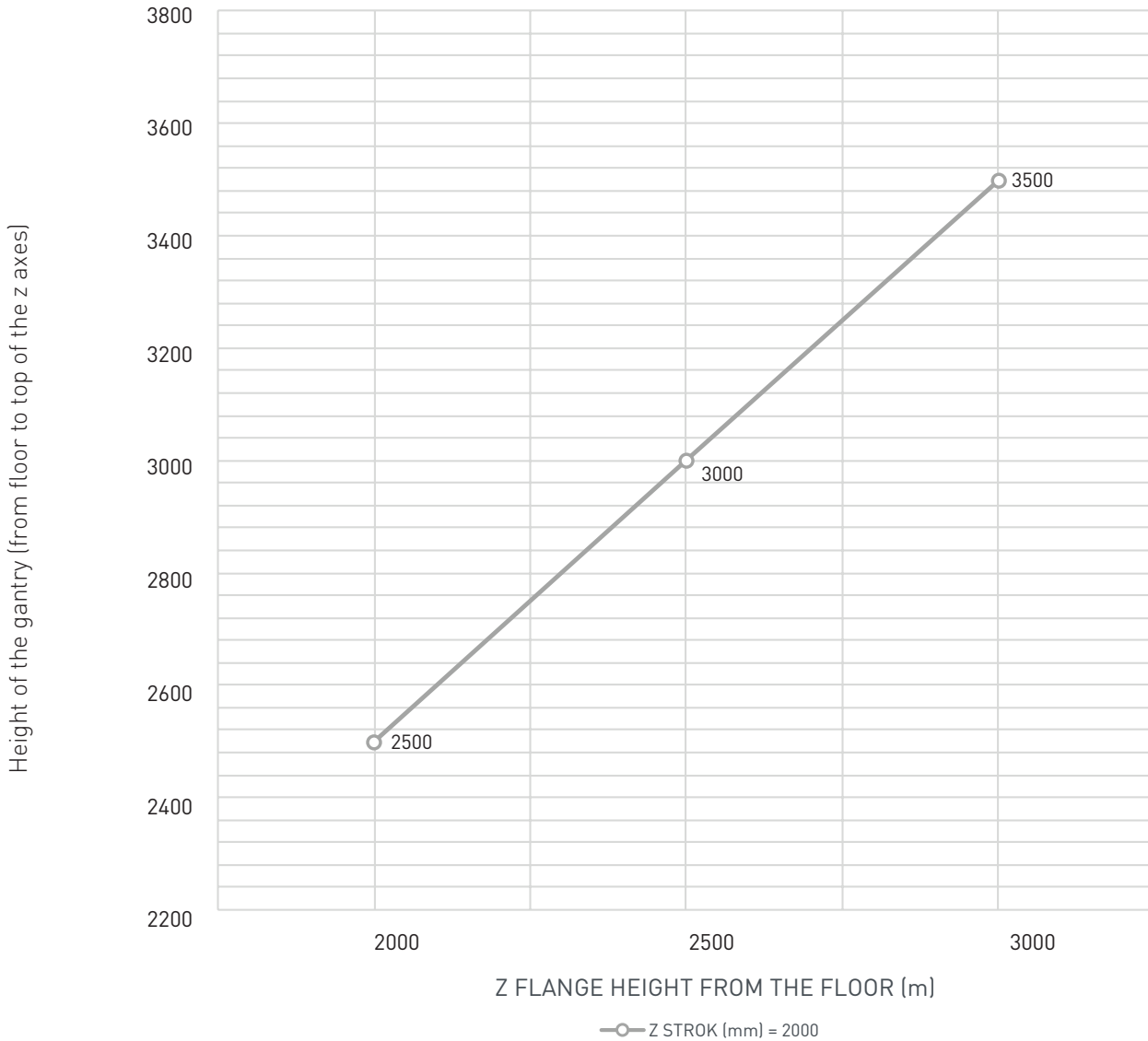
X ROTARY Axes



### Options

- INA, HIWIN, SCHNEEBERGER, REXROTH 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).
- Robot Control Unit Carriage.
- Special color of paint.

### SGP-200 GANTRY MAX HEIGHT GRAPHICS



### Suitable Robots Depend to Gantry Axes Configuration

Given robots are heaviest robots that can be carried by gantry depend to gantry axes configuration. Lighter than given robot can be carried as well.

AXES CONFIGURATIONS	MAX TOTAL PAYLOAD (kg)	EXTRA MOVING LOAD (kg)	ALLOWABLE ROBOT WEIGHT (kg)	HEAVIEST ROBOT THAT CAN BE CARRIED BY GANTRY		
				FANUC	KUKA	ABB
X	1500	300	650	M710-iC-50T	KR30 (all series)	IRB-4600
X ROTARY	1500	300	650	M710-iC-50T	KR30 (all series)	IRB-4600
XZ	150	20	150	M10 iD 10L	KR5 arc	IRB-1520
XZ ROTARY	150	20	150	M10 iD 10L	KR5 arc	IRB-1520