

## Specifications

SGS-300-HD family is developed for very large working envelope.

40m Y, 3m X and 3m Z strokes make it a huge gantry robot.

Standard height can be up to 7 meter.

Higher positioning is also possible.

XYZ Axes



XY Axes



XZ Axes



X Axes



SGS-300-MD COMPACT OVER HEAD GANTRY					
AXES CONFIGURATIONS	X, XY, XYZ, XZ	S- Standard Version		L - Long Arm Version	
<b>X AXES</b>	Max payload	2.500	kg	2.500	kg
	Max allowable extra load (includes Y, Z and rotary axes extra loads)	600	kg	600	kg
	X module lengths	2-3-4	m	2-3-4	m
	Stroke range	1-39	m	1-39	m
	Length range (as uniting of 2m, 3m, and 4m modules)	2-40	m	2-40	m
	Max speed	1.7	m/s	1.7	m/s
	Average speed	1.4	m/s	1.4	m/s
<b>Y AXES</b>	Max payload	1.500	kg	2.000	kg
	Max allowable extra load (includes Z axes extra load)	100	kg	250	kg
	Stroke range	1.5 - 2 - 2.5	m	1.5 - 2 - 2.5	m
	Max speed	1.7	m/s	1.2	m/s
	Average speed	1.4	m/s	1	m/s
<b>Z AXES</b>	Max payload	300	kg	300	kg
	Max allowable extra load	20	kg	20	kg
	Stroke range	1.5 - 2	m	2.5 - 3	m
	Max speed	0.7	m/s	0.4	m/s
	Average speed	0.5	m/s	0.35	m/s
<b>FLANGE HEIGHT</b>	End flange height from the floor	2-6	m	2-6	m
	Repeatability	0.05	mm	0.1	mm

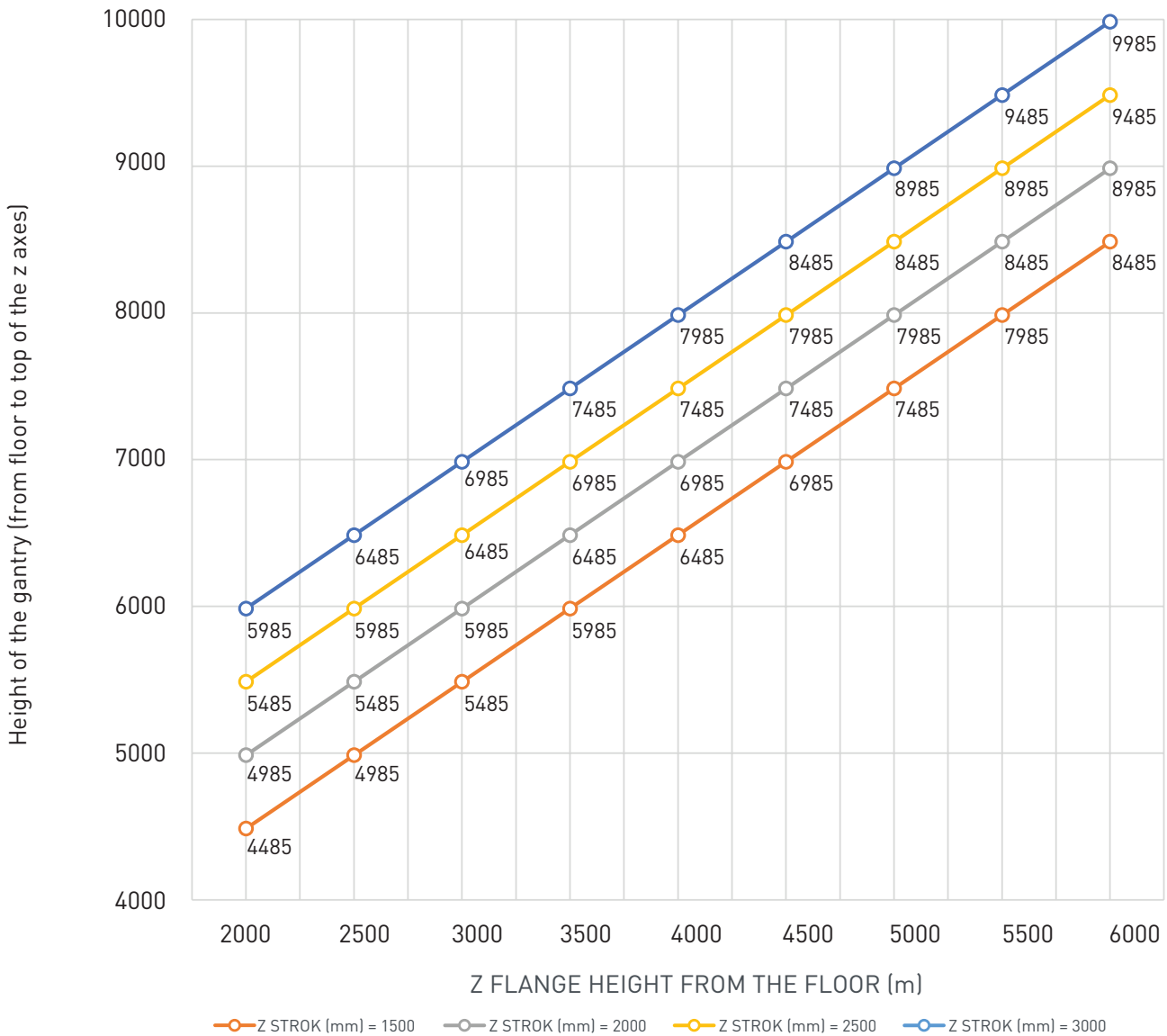
Technical data is subject to change without prior notice.

### Options

- INA, HIWIN, SCHNEEBERGER, REXROTH Linear Guiding Systems.
- Coated rollers, guideways and racks.
- Linear carriages auto lubrication.
- Telescopic Z axes.
- Ball screw drive option at Y axes.
- Ball screw drive option at 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.
- Standart Service platform.(ladder with barriers)
- Advanced Service platform.(stair with walking platforms)
- Robot Control Unit Carriage.
- Special color of paint.

### SGS-300 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	2500	600	1900	R-2000	KR QUANTEC	IRB-6700
XY	1500	100	1400	M-800	KR QUANTEC PRO	IRB-6620
XZ	300	20	300	M20 (all series)	KR16 (all series)	IRB-2600-ID
XYZ	300	20	300	M20 (all series)	KR16 (all series)	IRB-2600-ID