

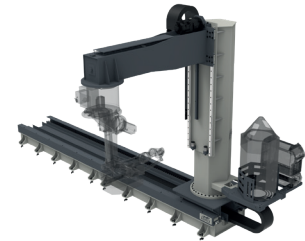
Specifications

SGP-300-MD series pillar gantries are suitable for 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.

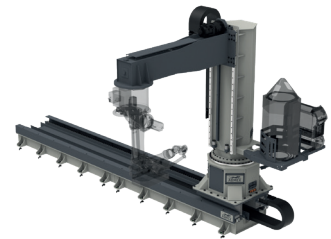
300kg payload makes it capable for special applications like twin wire welding, laser cutting, plasma cutting, flaming etc. beside of standard welding applications.

SGP-300-MD is a modular gantry system that can be configured with the different axes configuration than given configuration. For example, only rotary version, rotary+z axes version, only Z axes version. Please contact with ADMEX in case of specific axes configuration needs.

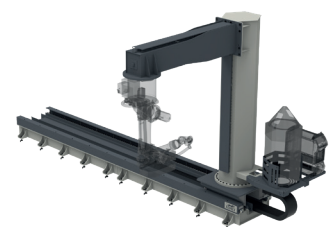
XZ Axes



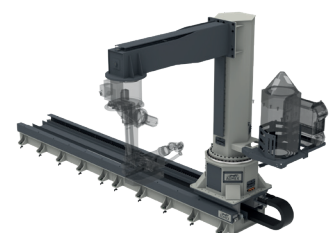
XZ ROTARY Axes



X Axes



X ROTARY Axes



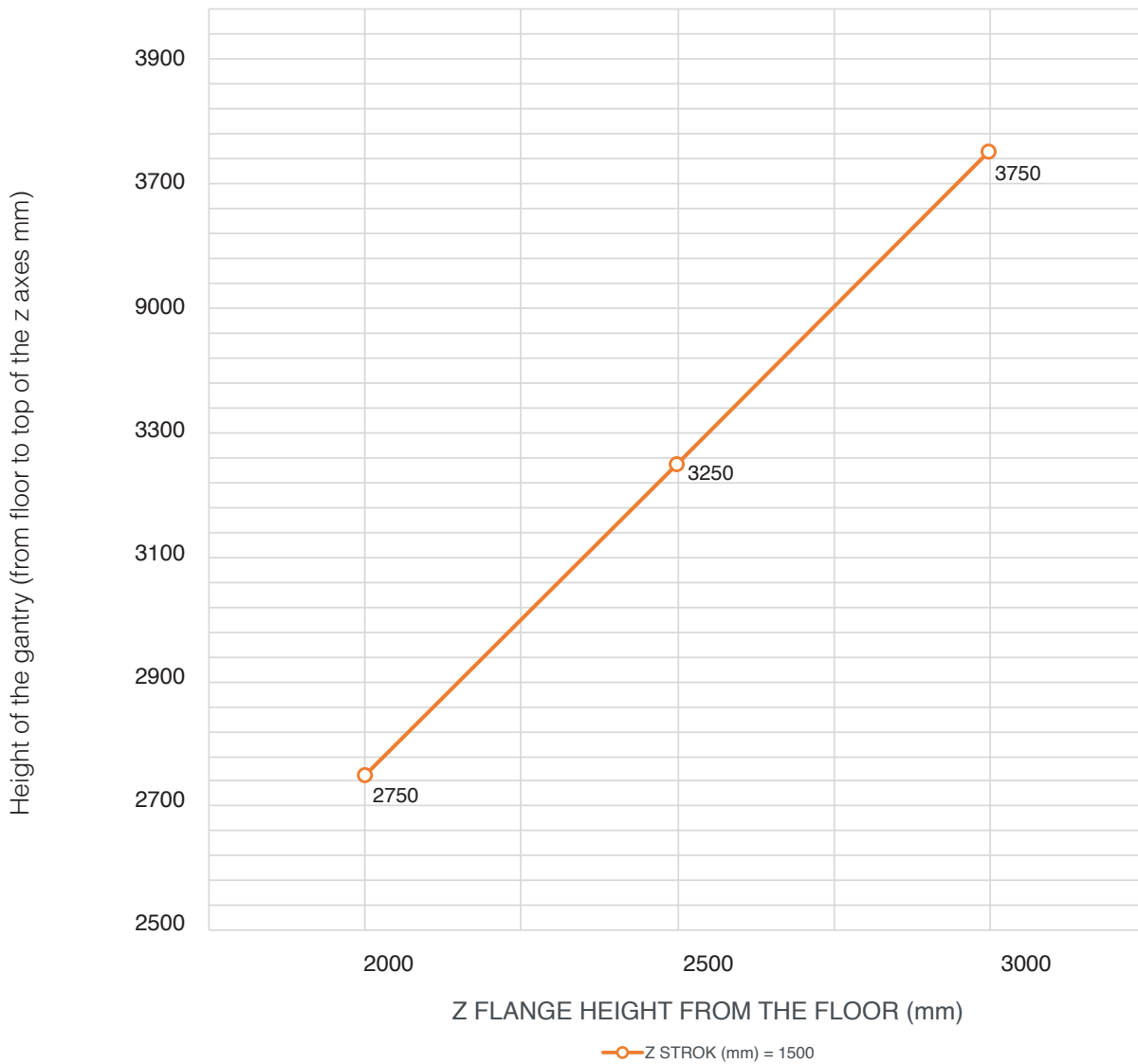
SGP-300-MD COMPACT PILLAR GANTRY

AXES CONFIGURATIONS	X, X+ROTARY, XZ, XZ+ROTARY		
X AXES	Max payload	4.000	kg
	Max allowable extra load (includes Y, Z and rotary axes extra loads)	600	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	1,7	m/s
Average speed	1,4	m/s	
ROTARY AXES	Max inertia	15.000	kgm ²
	Stroke range	±170	degree
	Max speed	5	rpm
	Average speed	4	rpm
Y ARM	Arm Length (Robot center to turning center)	1,5 - 2	m
Z AXES	Max payload	300	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
FLANGE HEIGHT	End flange height from the floor	2-3	m
	Repeatability	0,05	mm

Options

- INA, HIWIN, SCHNEEBERGER, REXROTH Linear Guiding Systems.
- Coated rollers, guideways and racks.
- Auto lubrication.
- Limit switch option.
- Zone switch's.
- Enclosed cable chain.
- Robot integration.
- Welding package carriages.
- Robot Control Unit Carriage.
- Special color of paint.
- Z axes safety break.

SGP-300-MD 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	Panasonic
X	4000	600	700	M710 (all series)	KR30 (all series)	IRB-4600	TM-2000
X ROTARY	1500	100	700	M710 (all series)	KR30 (all series)	IRB-4600	TM-2000
XZ	300	20	300	M20 (all series)	KR16 (all series)	IRB-2600-ID	TM-2000
XZ ROTARY	300	20	300	M20 (all series)	KR16 (all series)	IRB-2600-ID	TM-2000