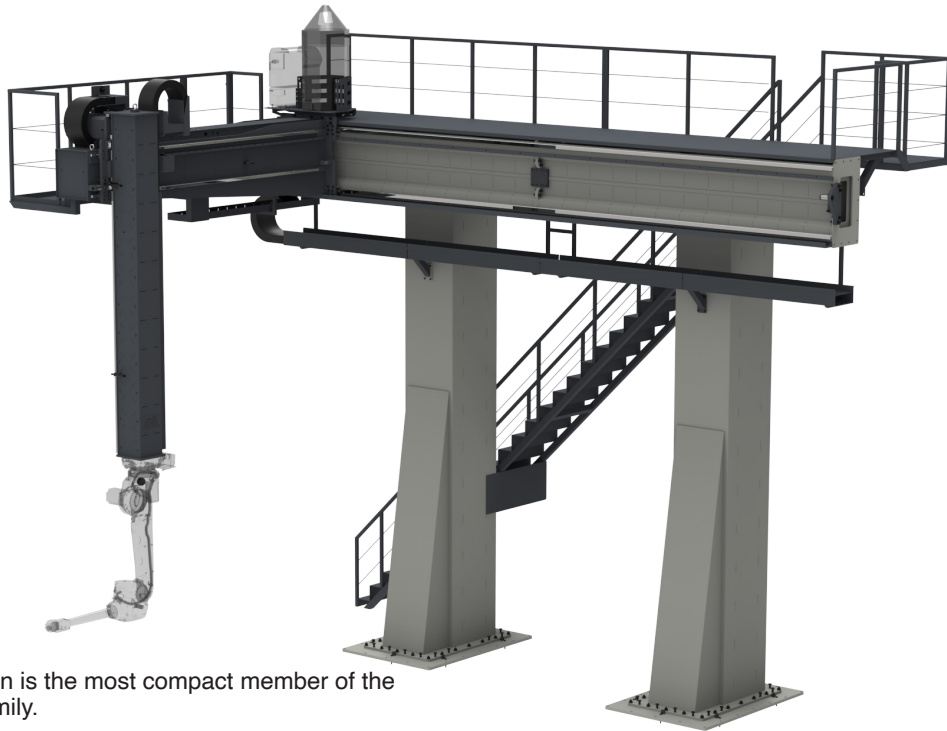




Specifications

The SGS 2 Overhead version is the most compact member of the ADMEX overhead gantry family.

It can carry robots up to 1200 kg on the X axis and 900 kg on the Y axis.

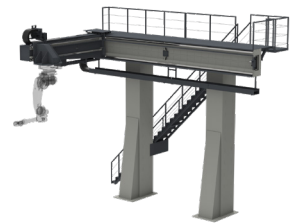
If the object to be transported is not a robot but a workpiece, a payload of up to 1500 kg in the X axis and 1000 kg in the Y axis is allowed.

When the Z axis is added, it can carry robots of all brands with standard arm length and a carrying capacity of less than 10 kg, or workpieces up to 300 kg with extremely high speed and precision.

XYZ Axes



XY Axes



XZ Axes



X Axes

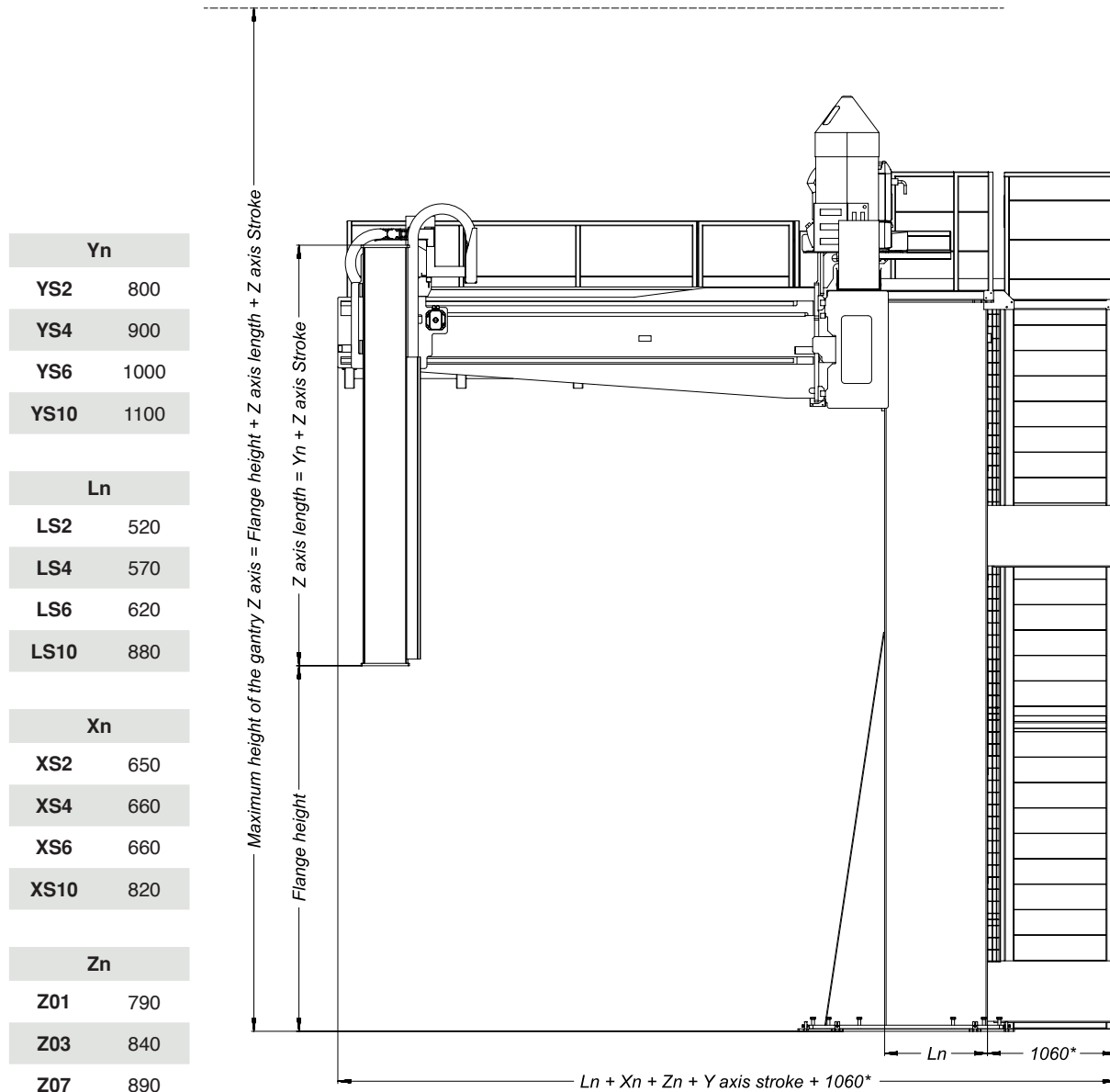


SGS-2 OVERHEAD GANTRY				
AXES CONFIGURATIONS	X, XY, XYZ, XZ	XS2	XS2	
X AXES	Max. payload	1.500 kg	1.500 kg	
	Acceleration Time	1 s	1 s	
	X module lengths	Up to 6 m	Up to 6 m	
	Stroke range	No Limit	No Limit	
	Repeatability	0.05 mm	0.05 mm	
	Max. speed	2 m/s	2 m/s	
Y AXES		YS2	YS2	
	Max. payload	1.000 kg	1.000 kg	
	Acceleration Time	1 s	1 s	
	Max. stroke	2 m	1.5 m	
	Max. speed	2 m/s	2 m/s	
	Repeatability	0.05 mm	0.05 mm	
Z AXES		Z01	Z03	
	Max. payload	150 kg	300 kg	
	Acceleration Time	1 s	1 s	
	Max. stroke	2 m	1.5 m	
	Max. speed	0.6 m/s	0.4 m/s	
	Repeatability	0.05 mm	0.05 mm	
FLANGE HEIGHT	End flange height from the floor	Up to 4 m	Up to 4 m	

Options

- INA, HIWIN, SCHNEEBERGER, REXROTH Linear Guiding Systems.
- Coated rollers, guideways and racks.
- Auto lubrication.
- 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.



*This dimension will be taken into account when the product features an Advanced Maintenance Platform. Please contact ADMEX in case the outer dimensions of the X-axis, or XZ-axis gantries are required.

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	1500	300	1200	M-800	KR Quantec Pro	IRB-6620	TM-2000
XY	750	100	650	M710-iC-50T	KR30 (all series)	IRB-4600	TM-2000
XZ	150	20	150	M10 iD 10L	KR5 arc	IRB-1520	TM1400
XYZ	150	20	150	M10 iD 10L	KR5 arc	IRB-1520	N/A