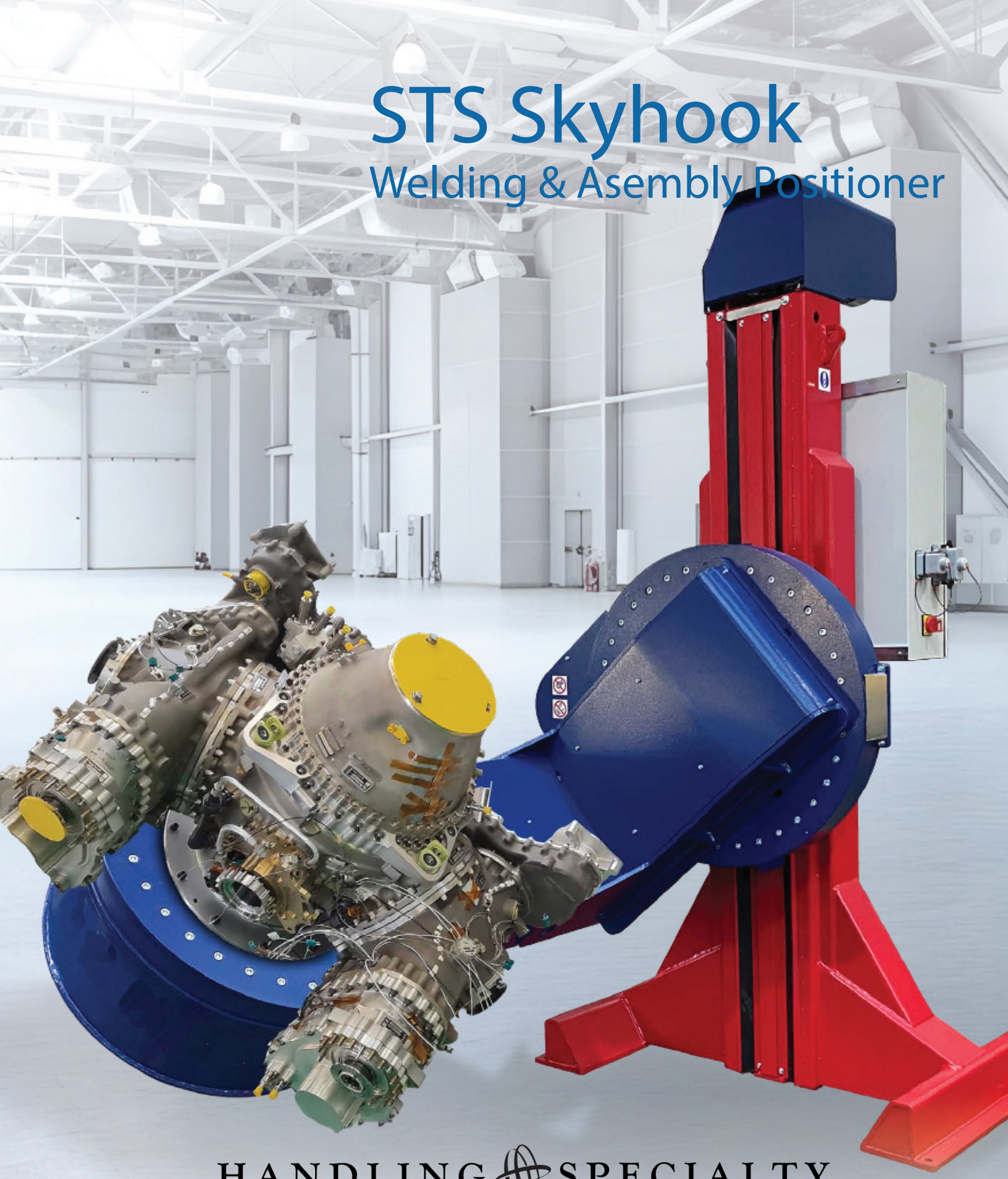
STS Skyhook

Welding & Asembly Positioner



HANDLING SPECIALTY

We build big things to help our customers build big things.

SINCE 1963

STS SKYHOOK POSITIONERS

The STS skyhook positioners are single column fixed positioners, that allow the lifting and the rotation of any kind of frame. The Handling STS Skyhook positioners are an excellent solution in applications in which it is required the complete rotation of all 3 axis that need to be easily reached during welding or assembly procedures.

The lifting of the X axis is mechanical, generated by a gear motor and screw-nut connected to the load supporting device composed of a steel bracket.
The rotation of the Y and Z axis is mechanical, generated by a gear motor coupled with a self-braking motor.
All the controls are on the control unit and on the hand held remote, which are both installed on master column.

Model	Code	STS05	STS10	STS15
Capacity (Ton)		0,5	1	1,5
Torque moment (Nm)	C1	5500	7500	7500
Torque moment (Nm)	C2	3500	3500	5500
Rotation speed (rpm)	N1	0,3 ÷ 0,9	0,3 ÷ 0,9	0,3 ÷ 0,8
Rotation speed (rpm)	N2	0,4 ÷ 0,8	0,4 ÷ 0,8	0,3 ÷ 0,9
Lifting speed (mm/min)	V	570	570	660
Minimum height (mm)	A	800	800	850
Lifting stroke (mm)	B	1100	1150	1150
Maximum height (mm)	C	1900	1950	2000
Plate diameter (mm)	D	424	600	800
Maximum outreach (mm)	E	1500	1500	1500
Minimum height from the plate (mm)	G	380	450	500
Maximum height from the plate (mm)	H	2340	2500	2350
Distance of the plate from the rotation axis (mm)	I	420	350	350
Electric motor power (kW)	P1	0,55	1,1	1,1
Electric motor power (kW)	P2	0,55	0,55	0,55
Electric motor power (kW)	P3	1,85	2,2	2,2



STS SKYHOOK POSITIONERS

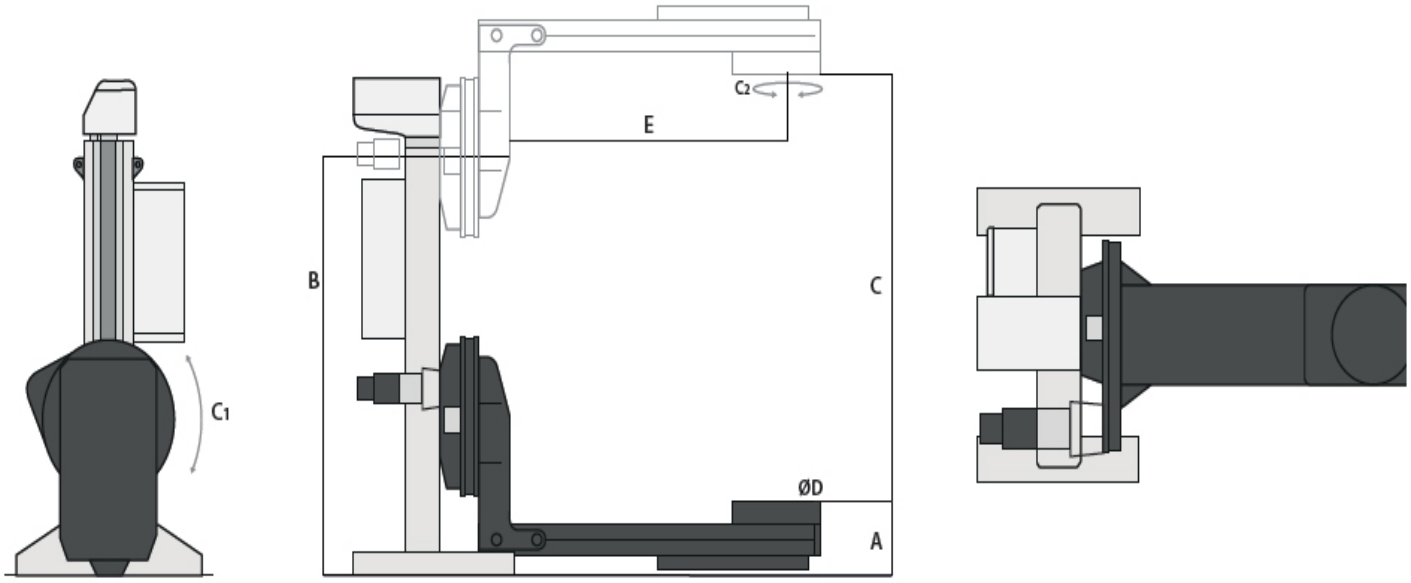
Emanuel positioners offer many advantages:

• Safety: reduces the need for dangerous movements while operating lifting equipment such as overhead cranes

• Health: welders and operators always maintain the orrect posture and reduce fatigue.

• Improved production quality: allow to work at an ideal eight and in correct position.

• Increased productivity: lifting and turning products ithout overhead cranes or ordinary cranes reduces downtimes



Model		STS05	STS10	STS15
Capacity (Ton)		0,5	1	1,5
Torque moment (Nm)	C1	5500	7500	7500
Torque moment (Nm)	C2	3500	3500	5500
Minimum height from the plate (mm)	A	380	450	500
Lifting stroke (mm)	B	1100	1200	1200
Minimum height from the plate (mm)	C	2340	2550	2400
Plate diameter (mm)	D	424	600	800
Outreach (mm)	E	1500	1500	1500

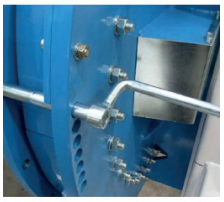
SOME OF OUR OPTIONS

- Rotary ground: 400A-800A-1200A
- Foot switch for left/right rotation
- Wireless safety remote control
- Extra stroke in column height
- Safety laser scanners
- Torque live detection system
- Self-learning system hardware & software system
- Smart interface touch screen
- 4.0 Industry.















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