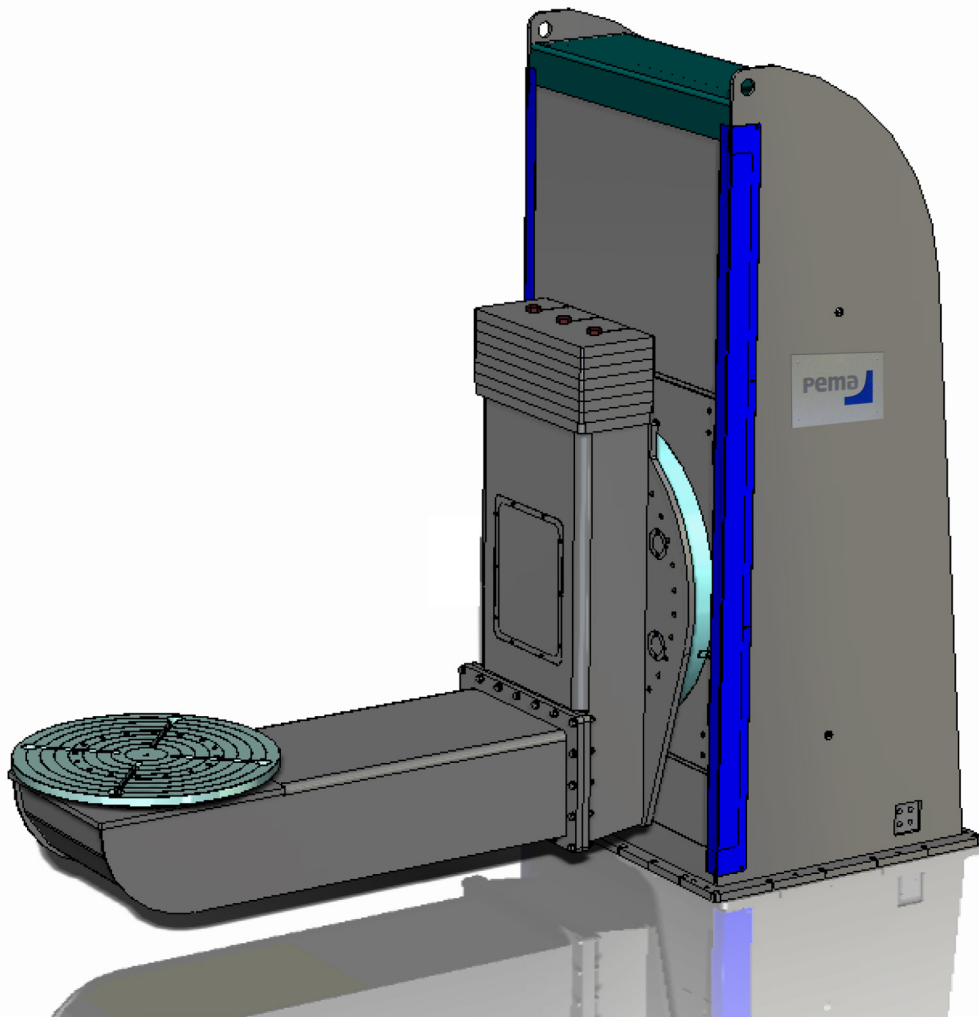


Skyhook series
SPS 3500

Rev: 8.12.2010
Printed: 31.1.2011

Three-axis positioner with 3500 kg capacity



PEMA SPS Skyhook positioners are built for demanding tasks with heavy work-pieces with even the most complex product geometry. With a Skyhook, work-pieces are easily set up in a wide variety of attitudes. Loading capacity range is 750-10 000 kg.

PEMA SPS 3500 Skyhook positioners are the right choice heavy work-pieces with demanding product geometry. Typical work-pieces are e.g. tractor cabinets, tanks, buckets and frame structure parts.

Work-pieces can be adjusted in all conceivable positions with a Skyhook positioner. Usually, they rotate around their centre of gravity thanks to completely turnable L-arm. This ensures that the welder's working posture is always productive and ergonomically sound.

Stepless 3-axis adjusting function provides easy access for the welder to even the most difficult welds inside the work-pieces. Rotation of the table and tilting of the L-arm are controlled with inverter-

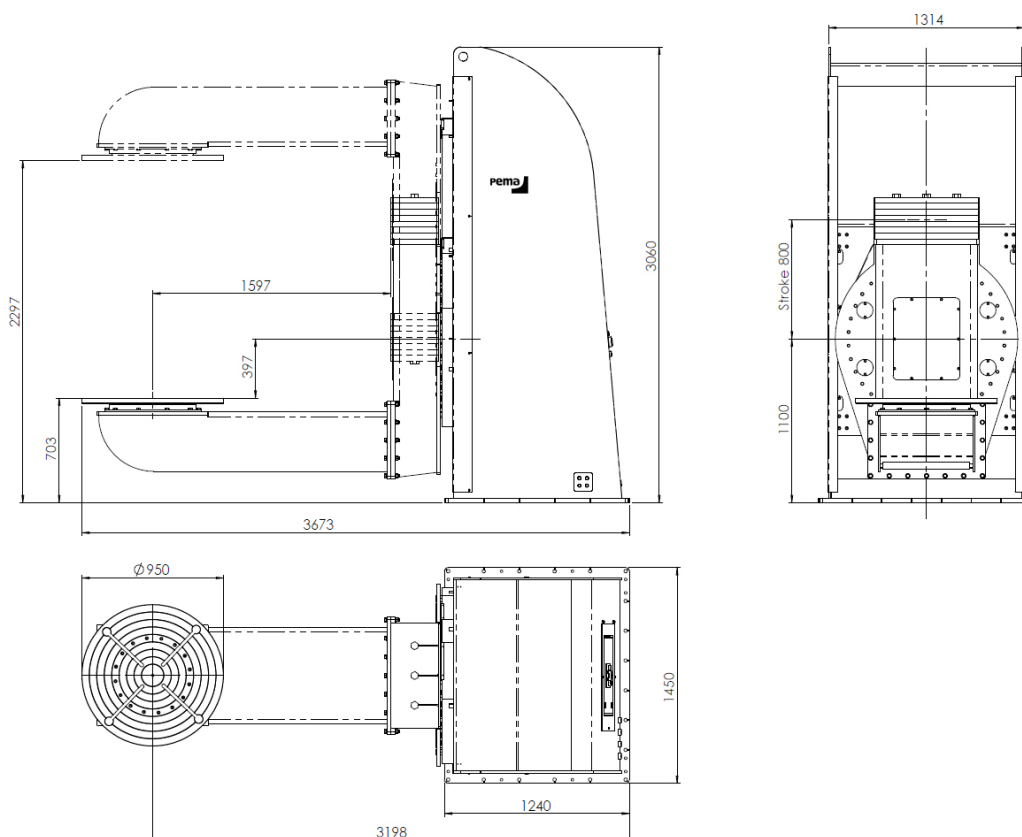
controlled AC-drives. The gears are self-locking for safe and smooth operation. Height adjustment is operated hydraulically. The hydraulic system has built-in safety valves.

The positioners are equipped with low voltage 24V remote controller for all electrical operations and digital rotation speed display (rpm).

Every PEMA product utilises high quality components from internationally recognised brands. All structures and components are series produced and tested. Designed to the same high quality standards as PEMA roller beds and column & booms, PEMA positioners fulfil the requirements of the European EN-safety norm. All PEMA positioners come with CE-markings.

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Due to continuous R&D, Pemamek Oy Ltd reserves the right to change the specification without notice.

Technical data

Max. load (N)	35000
Rotation speed (rpm)	0,08-1,6
Max. rotational torque (Nm)	2800
Tilting speed (rpm)	0,1-0,8
Lifting time (s)	65
Tilting axle height min-max	1100-1900
Offset distance (mm)	400
Max. tilting torque (Nm)	6000
Max workpiece diameter (mm)	3000
Table plate diameter (mm)	950
T-slots on table plate	4x M20 DIN508
Max.welding current (A)	700
Width (mm)	1450
Length (mm)	3 680
Height (mm)	3060
Weight (kg)	5000
Mains supply cable length (m)	12
Mains supply connection 50 Hz	3x400V+N+PE
Power (A)	25 A

Optional accessories

- Foot pedal for start/stop of rotation
- Foot pedal for speed control of rotation
- External control of rotation
- Wireless remote control

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