

Rotilting positioner FRP



Max. load capacity from
1500–7500 kg
(3306.9–16534.7 lb)

Functions

- Left/stop/right
- Tilting up/down
- Rotation speed
- Emergency Stop

Options

- Face plate in sandwich-design (suitable for preheated parts up to 400 °C/752 °F)
- I-kit slip ring assembly for pre-heating system
- Chucks FGC, FSG, FMC
- Mountingsets for chucks



Suitable for cladding systems
with HMI-T21 control unit

1500C/SCP – 7500C/SCP

Rotilting positioner are universal applicable for mechanized welding applications as well as for precise positioning of workpieces.

Standard equipment

- Robust steel frame construction
- Face plate with concentric circular markings
- Anti-backlash device to minimize the face plate run-out deflection max. 2 mm (0.08 in)
- Face plate flatness +/- 0,25 mm (0.01 in)
- Version suitable for preheated parts up to 200° C (392°F)
- Welding-current transfer 600 A via carbon brushes
- Machine cut precision gearing for smooth rotation of table
- AC helical/worm geared motor drive controlled by vector units speed holding accuracy to be +/- 0,1 % of base speed (with option: encoder kit)
- Tilting by AC geared motor fitted with fail-safe electromagnetic brake
- Control cabinet mounted on the base frame
- Operation with manual control unit of the automated welding system
- Mains cable 10 m (393.7 in)
- Integrated set-up aid
- Setting plates and fastening material

Technical data

	FRP 1500C/SCP	FRP 3000C/SCP	FRP 4500C/SCP	FRP 7500C/SCP
Max. load capacity horizontal (W)	1500 kg (3306.9 lb)	3000 kg (6613.9 lb)	4500 kg (9920.8 lb)	7500 kg (16534.7 lb)
Tilting range (motorized)	0–135°	0–135°	0–135°	0–135°
Max. rotation torque/tilting torque	1472 Nm/2943 Nm (1085.7 ft lb/2170.6 ft lb)	2943 Nm/5886 Nm (2170.6 ft lb/4341.3 ft lb)	4415 Nm/8829 Nm (3256.3 ft lb/6511.9 ft lb)	7358 Nm/14715 Nm (5427 ft lb/10853.2 ft lb)
Dimensions				
A (rated center of gravity)	300 mm (11.8 in)	300 mm (11.8 in)	300 mm (11.8 in)	300 mm (11.8 in)
B (rated eccentricity)	150 mm (5.9 in)	150 mm (5.9 in)	150 mm (5.9 in)	150 mm (5.9 in)
C	1565 mm (61.6 in)	1825 mm (71.9 in)	1915 mm (75.4 in)	2315 mm (91.1 in)
D	1530 mm (60.2 in)	1550 mm (60 in)	1650 mm (65 in)	1900 mm (74.8 in)
E	1022 mm (40.2 in)	1012 mm (39.8 in)	1230 mm (48.4 in)	1200 mm (47.2 in)
F	850 mm (33.5 in)	862 mm (33.9 in)	1080 mm (42.5 in)	1020 mm (40.2 in)
G	150 mm (5.9 in)	150 mm (5.9 in)	150 mm (5.9 in)	180 mm (7.1 in)
H	920 mm (36.2 in)	1070 mm (42.1 in)	1220 mm (48 in)	1525 mm (60 in)
Thickness of face plate	22 mm (0.9 in)	25 mm (1 in)	25 mm (1 in)	25 mm (1 in)
Table slots-bolt size	M16	M20	M20	M20
Number of clamping slots on the face plate	8	8	8	8
Max. welding-current transfer	600 A	600 A	600 A	600 A
Rotation speed	0,075–3,0 rpm	0,075–3,0 rpm	0,075–3,0 rpm	0,075–3,0 rpm
Tilting speed for 135°	30 sec.	45 sec.	42 sec.	60 sec.
Mains voltage, 50 Hz	3 x 400 V	3 x 400 V	3 x 400 V	3 x 400 V
Net weight	750 kg (1653.5 lb)	1320 kg (2910.1 lb)	1550 kg (3417.2 lb)	2200 kg (4850.2 lb)

