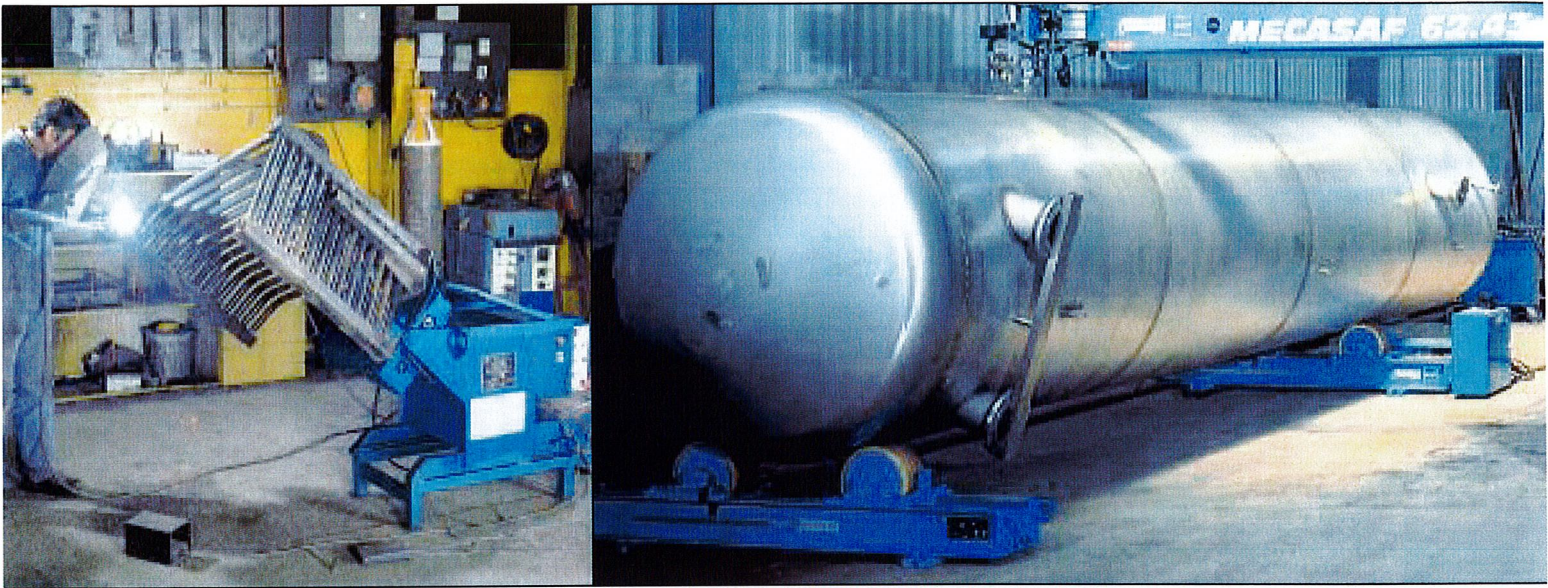




**VIROSAF
POSISAF**

*Rotators
and positioners
for manual
and automatic
welding
applications.*

POSISAF and MEMORAX positioners

POSISAF 1E - 2E

(up to 200 kg)

Variable-speed motorized rotation and manual inclination.

The indispensable bench-mountable small positioners for circular welds.

They are high-frequency protected and so can be used with any welding process.

POSISAF 3F - 7F

(medium capacity: 300 kg and 650 kg)

Variable speed motorized rotation and motorized tilt, fixed height.

In these positioners, rotation and tilt are both motorized.

An electronic variable speed drive and a DC motor provide rotation at a variable speed slaved to the armature resistance.

The resulting range of speeds and speed stability allow automatic welding.

A worm-wheel and lead-screw speed reducer provides a non-reversible drive.

The fixed-speed tilt movement is limited by two safety end stops.

The POSISAF 7F is controlled remotely from a 5-button controller fitted with a 5 m cable.

The controller also carries the speed variation potentiometer.

The POSISAF 3F has the controls on a unit fixed to the rear of the device.

It is supplied with a footpedal (with a 3 m cable) for controlling its rotation.

Technical specifications:

	POSISAF 1E	POSISAF 2E	POSISAF 3F	POSISAF 7F	POSISAF 16E
Catalogue number	0299-0321	0299-0324	0299-0323	0299-0326	0299-0327
Maximum load, any position (kg)	100	200	300	650	1 600
Maximum load, turntable horizontal (kg)	100	200	450	1 000	2 000
Inclination					
Maximum torque (mkg)	25	40	90	175	400
Turntable/axis distance (m)	0,075	0,070	0,070	0,095	0,130
Angle (degrees)	135	135	135	120	145
Speed	manual	manual	135°/70 sec.	120°/53 sec.	145°/45 sec.
Rotation					
Maximum torque (mkg)	2	4	20	75	150
Speed (rpm)	0,2 to 5	0,25 to 5	0,14 to 2,2	0,076 to 1,53	0,074 to 1,48
Range of variation	1 to 25	1 to 20	1 to 16	1 to 20	1 to 20
Table diameter (mm)	Ø 300	Ø 400	Ø 600	Ø 800	Ø 1 000
Table height (mm)	385	500	650	896	975 to 1 400
Dimensions (L x W x D) (mm)	400 x 300 x 385	550 x 450 x 500	840 x 600 x 650	1 260 x 800 x 896	1 650 x 1 000 x 975
Net weight (kg)	28	60	195	400	980
Power supply (V)	240/415*	240/415*	240/415*	240/415**	240/415**
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Maximum current (A)	1	2	2	4,5	8
Earth terminal rating (at 60%) (A)	400	400	400	400	400

* single-phase

** three-phase

Because downhand welding is easier than position welding, it is much safer, faster and more economic and gives a better looking result.

POSISAF 16B to 110B

*(general purpose, high capacity - up to 15 tons)
Variable-speed motorized rotation, motorized tilt and manual height adjustment.*

These are true general purpose positioners because they provide three simultaneous movements:

- rotation,
- 135° tilt,
- pin-in-hole height adjustment.

They solve most positioning problems.

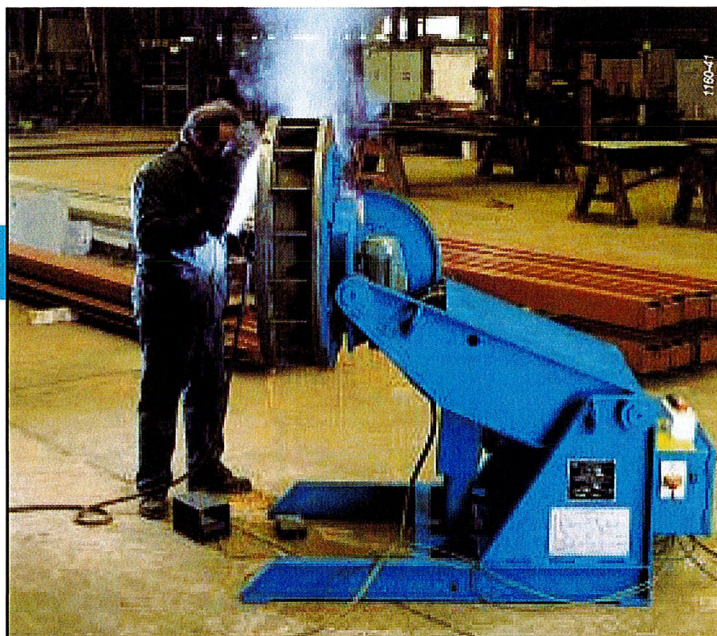
Remote control of speed variation is included as standard. The 135° inclination movement is provided by a large toothed sector.

This system is the system of choice for safe handling of high inertia workpieces.

A speed indicator is available as an option.

Each model incorporates a rotary earth connector.

The rotation movement, which is characterized by very little backlash, great stability and an exceptional range of variation, produces perfect welds using any automatic process.



MEMORAX

Programmed positioning for manual welding.

The time to execute any welding operation is made up of the welding time (10 to 40%) plus the workpiece handling time (60 to 90%). There is virtually no way to reduce the welding time, but MEMORAX can greatly reduce the workpiece handling time: a tap on the foot pedal and the workpiece starts to move at high speed.

The programming unit can store 8 programs, each with 40 positions (8 programs with 32 positions in the MEMORAX 7HVPV/18HVPV).

This means that the welder can keep his tools (welding gun and mask) in his hands at all times and concentrate on his welding task.

The MEMORAX range is simplicity itself and highly flexible to use: the positioners can be used for manual tasks such as tacking, polishing, fettling, assembly, etc.

A box type workpiece can be tacked, welded, buffed and polished without removing it from the positioner.

This saves a great deal of time and eliminates fatigue.

Safety is also improved:

workpieces are no longer handled, which greatly reduces the risk of injury.

POSISAF 30B	POSISAF 60B	POSISAF 110B
0299-0330	0299-0333	0299-0334
3 000	6 000	10 000
4 000	9 000	15 000
840	2 200	4 600
0,140	0,165	0,200
135	135	135
135°/60 sec.	135°/120 sec.	135°/120 sec.
250	600	1 000
0,06 to 1,18	0,03 to 0,6	0,032 to 0,63
1 to 20	1 to 20	1 to 20
1 000 x 1 000	1 250 x 1 250	1 500 x 1 500
980 to 1 380	1 175 to 1 625	1 510 to 2 128
1 750 x 1 180 x 1 380	2 200 x 1 250 x 1 175	2 670 x 1 500 x 1 510
1 300	2 200	3 700
240/415**	240/415**	240/415**
50/60	50/60	50/60
11	12	18
400	800	800

Technical specifications:

	MEMORAX 2V	MEMORAX 3FP
Catalogue number	0299-0516	0299-0523
Maximum load (kg)	250	400
Maximum workpiece inertia (kgm ²)	30	40
Rotation speed (rpm)	0,084 to 4,2	0,14 to 2,2
Rotation torque (mkg)	12	20
Inclination torque (mkg)	18,5	90
Inclination angle and speed	120° in 6,6 s	135° in 23 s
Height adjustment	manuel 3 position	-
Programming	8 programs x 40 positions	8 programs x 40 positions
Special features	-	-