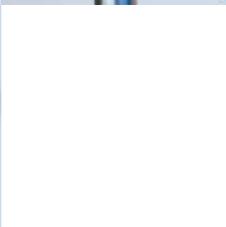
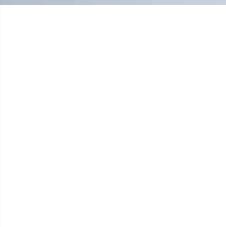
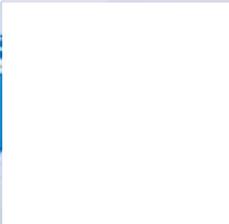


Reduce costs, Save time, Work efficiently

Positioning Systems



Centre of Mass Positioner
Welding Turntable
Turning Device





MSP300/1200

A balanced approach
makes everything easier.

Through fast and easy rotation of workpieces you save up to 40% of the time spent on welding, grinding or any other machining – an investment which pays off quickly and in any case.





MSP300/1200

It's all down to physics

The workpiece is clamped with its turn-and-tilt point centrally to the y-axis. (figure 1)

Now the articulated arm of the x-axis is lowered to the point where the centre of mass (equilibrium) of the workpiece is set. (figure 2)

Note:
If the centre of mass is outside the adjustment range it can be shifted into this range by additional counterweights.

The workpiece to be machined is at equilibrium and can be turned easily to any position. (figure 3)

In this way the machining of the workpiece is made a lot easier for the operator.

In addition, an ergonomic working height can be set for sedentary or standing activities (figure 4).

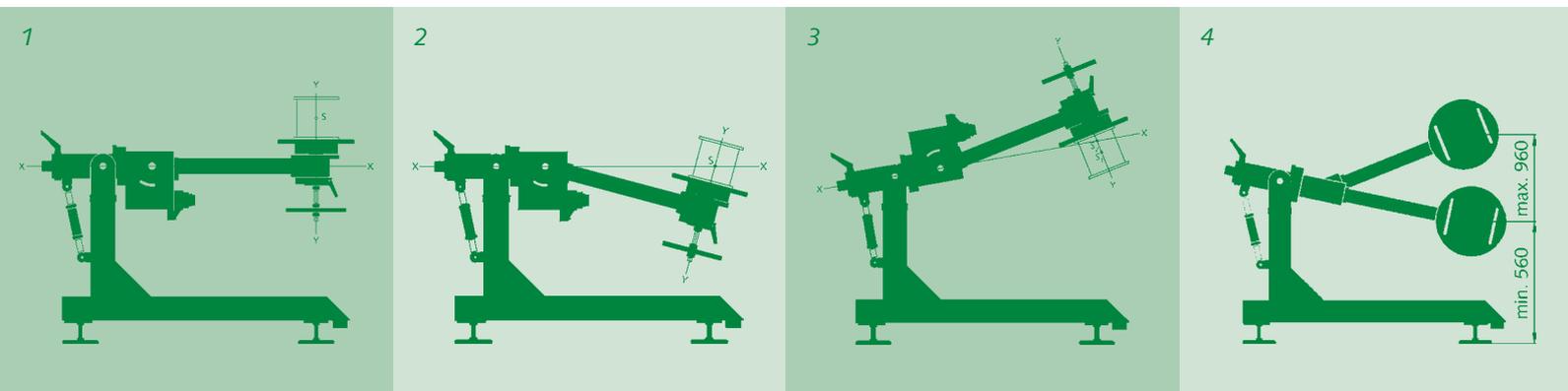
Technical Data

MSP 300

W x D x H: 1.300 x 1.200 x 900 mm
Height adjustable: 560 – 960 mm
Weight: 200 kg
Load capacity: 300 kg

MSP 1200

W x D x H: 1.200 x 1.500 x 1.000 mm
Height adjustable: 600 – 1.150 mm
Weight: 495 kg
Load capacity: 1.200 kg





MSPmini

How our Centre of Mass Positioners work

With the manual centre of mass positioners you can turn workpieces of any weight up to 30 kg/300 kg and 1.200 kg into any position by hand.

The turning is achieved fast and safely in two axes.

A slight pressure of the hand is enough to move the workpiece into a new position.

Neither a motor nor a control unit is required.

In order to prevent the workpieces from changing their position during the machining (e.g. welding or grinding) both axes are equipped with locking pins and friction brakes.

- Adapter plate with clamping slots for quick clamping of the workpieces.
- Further clamping plates and clamping tools available as accessories.
- Shifting of the centre of mass in the workpiece possible by additional counterweights.
- Locking of the turning axis possible in any position.
- Both turning axes with backlash-free bearings.

- Traversing unit for MSP 300 available as accessory.

- Fast and safe transportation by means of traversing unit (MSP 300) and forklift pockets (MSP 1200).

- Maintenance-free devices.

Technical Data

MSP mini

W x D x H: 350 x 650 x 370 mm

Height adjustable

Weight: 28 kg

Load capacity: 30 kg





DVH360

Turning Device – Manual

With this device workpieces can be turned easily into any position.

The turning is achieved fast and safely by hand.

Neither a motor nor another drive is required.

■ An effective device for the positioning of workpieces.

■ The mounting head is adjustable by hand to 22.5°, 45° and 90°.

■ Locking of turning axis by a locking pin.

■ Additional friction brake with fine adjustment.

■ Foot height adjustable in 50 mm steps.

■ Adapter plate for easy clamping of workpieces.

■ Turning axis with backlash-free bearing.

■ Maintenance-free device.

Technical Data

DVH 360

W x D x H: 600 x 600 x 800 mm

Foot height adjustable

(700 – 1.000 mm), pre-fabricated for screwing to floor

Weight: 88 kg

Load capacity: 300 kg

> Simple > Practical > Ergonomic



Rotolift

The heavy labourer for assembly and welding work

Rotolift is an electrohydraulic positioner specially developed for the execution of welding, maintenance and assembly works.

Rotolift facilitates the machining of workpieces in the desired position.

The heavy labourer improves the accessibility of the workpiece and significantly reduces non-productive times.

Due to an ergonomic working position the performance of the user is improved while the risk of accidents at the workplace is minimized.

The optimum position of the workpieces increases the quality of the work performed and greatly reduces delivery times.

Rotolift is a flexible positioner with the following functions:

- Permanent turning of the clamping plate (right/left).
- Tilting of clamping plate up to 140°.
- Lifting and lowering of clamping plate.

The movements can be performed independent of each other.

The device complies with EEC Machinery Directives 89/392 and 92/368 and bears the CE marking.

Rotolift is offered in different variants to perfectly suit your requirements.

- OL: fully hydraulic (assembly/maintenance)
- OL/MR: with ground wire for welding current
- OL/MR/EL: Electro-motor, rotation controlled by frequency converter

The following models can be ordered:

Load capacity	tilting angle
1.250 kg	95°
2.000 kg	95° or 140°
3.000 kg	95° or 140°
4.500 kg	95° or 140°
6.500 kg	95° or 140°
8.500 kg	95° or 140°
11.000 kg	95° or 140°
13.000 kg	on request



Technical Data

	RL 1250	RL 2000	RL 3000	RL 4500	RL 6500	RL 8500	RL 11000
Load capacity (kg)	1.250	2.000	3.000	4.500	6.500	8.500	11.000
Maximum Torque (nm)							
at 95° tilting angle	490	1.255	2.000	5.300	7.650	8.100	10.790
Machine weight (kg)	750	1.250	1.500	2.650	3.450	4.600	5.100
Maximum tilt of table (F)	95°	95° – 140°	95° – 140°	95° – 140°	95° – 140°	95° – 140°	95° – 140°
a) min – max height	520	600	790	840	890	1030	1100
with vertical table (mm)	1.120	1.300	1.620	2.085	2.400	2.780	2.900
b) min – max height	700	700	720	900	960	1.230	1.300
with horizontal table (mm)	1.300	1.500	1.570	2.160	2.470	3.000	3.150
c) Length (mm)	1.900	2.000	2.400	3.000	3.600	3.900	4.900
d) Maximum width							
without central unit (mm)	750	750	930	1.250	1.400	1.500	1.500
e) Dimensions of clamping plate (mm)	Ø 800	Ø 800	1.100x1.100	1.500x1.500	1.500x1.500	Ø 1.710	Ø 1.710

Design

High-quality steel ensures the extreme stability of the positioner. The carefully calculated statics guarantees the bearing of load without vibrations, ensuring safe and comfortable working.

Powerful hydraulic cylinders allow for a balanced positioning of the workpieces.

Rotational Movement

The rotational connection equipped with a gear motor is the element between the basic structure and the clamping plate. It is made of a material suitable for the loading capacity.

A stable clamping plate with numerous clamping slots allows for a safe fixing of the workpieces.

Hydraulics

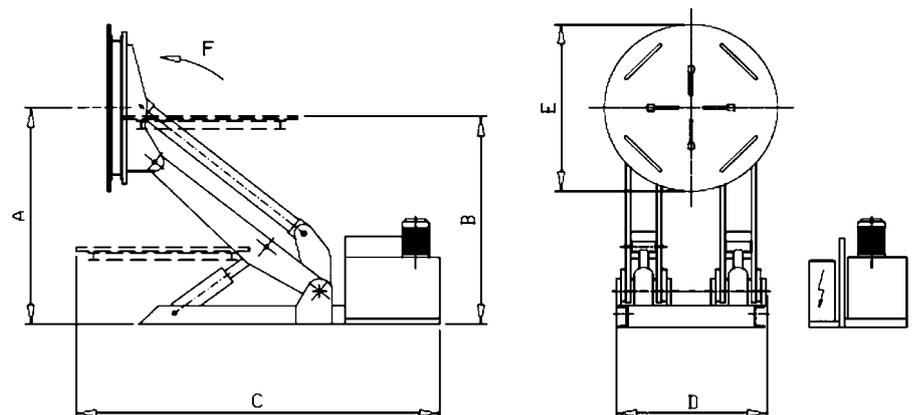
It excels by its very compact design and is produced by leading manufacturers which exclusively use selected components.

Electrical Installation

All necessary components are clearly arranged in a control cabinet. The machine is operated by means of a handheld console. With this console all movements of the machine can be executed.

Accessories available:

- Turnable welding current return cable up to 1.500 Amp
- Foot pedal control for feed/stop rotation
- Clamping plates can be manufactured according to customer requirements





How to find us

www.kassandra.de



Bräunlingen is situated at the junction of three main roads:

The B27 from Stuttgart to Schaffhausen, the B31 from Freiburg to Lindau and the B33 from Offenburg to Constance (Konstanz). From the A81 Stuttgart to Singen motorway, take the Bad Dürreheim exit (A864) and follow the B27/B33 towards Schaffhausen (Switzerland CH). The Hüfingen Nord exit will take you to Bräunlingen and directly to our premises.

MTS Metalltechnik Scherzinger GmbH
 In Stetten 1, 78199 Bräunlingen
 Germany
 Phone: +49 (0)771 9210-0
 Fax: +49 (0)771 9210-30
www.mts-scherzinger.de
info@mts-scherzinger.de



MTS Metalltechnik Scherzinger GmbH
 is certified according to DIN ISO 9001:2008

