

Technical data-sheet for Welding-head SK-2110

Manufacture:

KombiTec GmbH

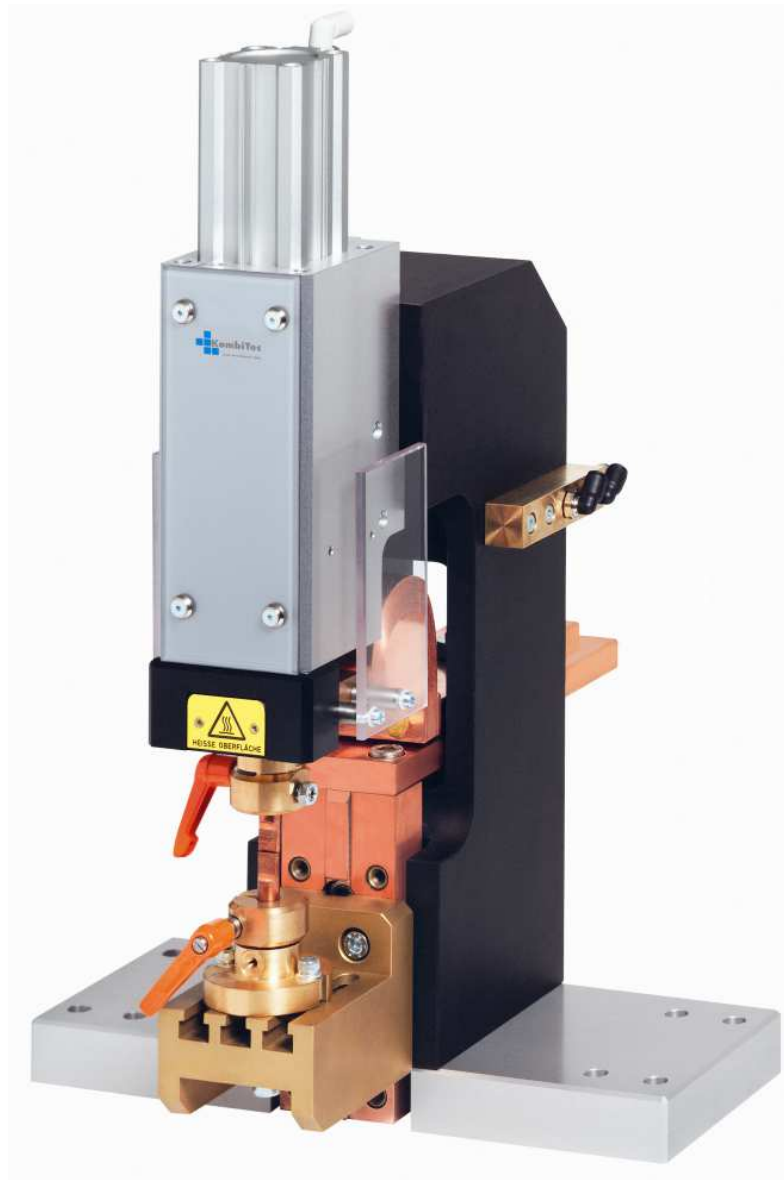
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Benefits:

- Welding-head for up to max. 1.500 N welding force
- Due to modular principle highest compatibility to other KombiTec products
- Compact, but highly flexible construction with lowest possible weight
- Precise positioning-accuracy, stability and robustness due to pre-stressed ball-bearings
- Highest reproducibility through shape-connection
- Outstanding repositioning behaviour due to unstressed anti-torsion units
- Simple adjusting of sensors and stroke
- Infinitely variable damping force
- Direct force monitoring at electrodes with electronical force measuring
- Simple upgrading opportunities of distance-control and force measuring devices

Application areas:

Suitable for all standard weldings, like:

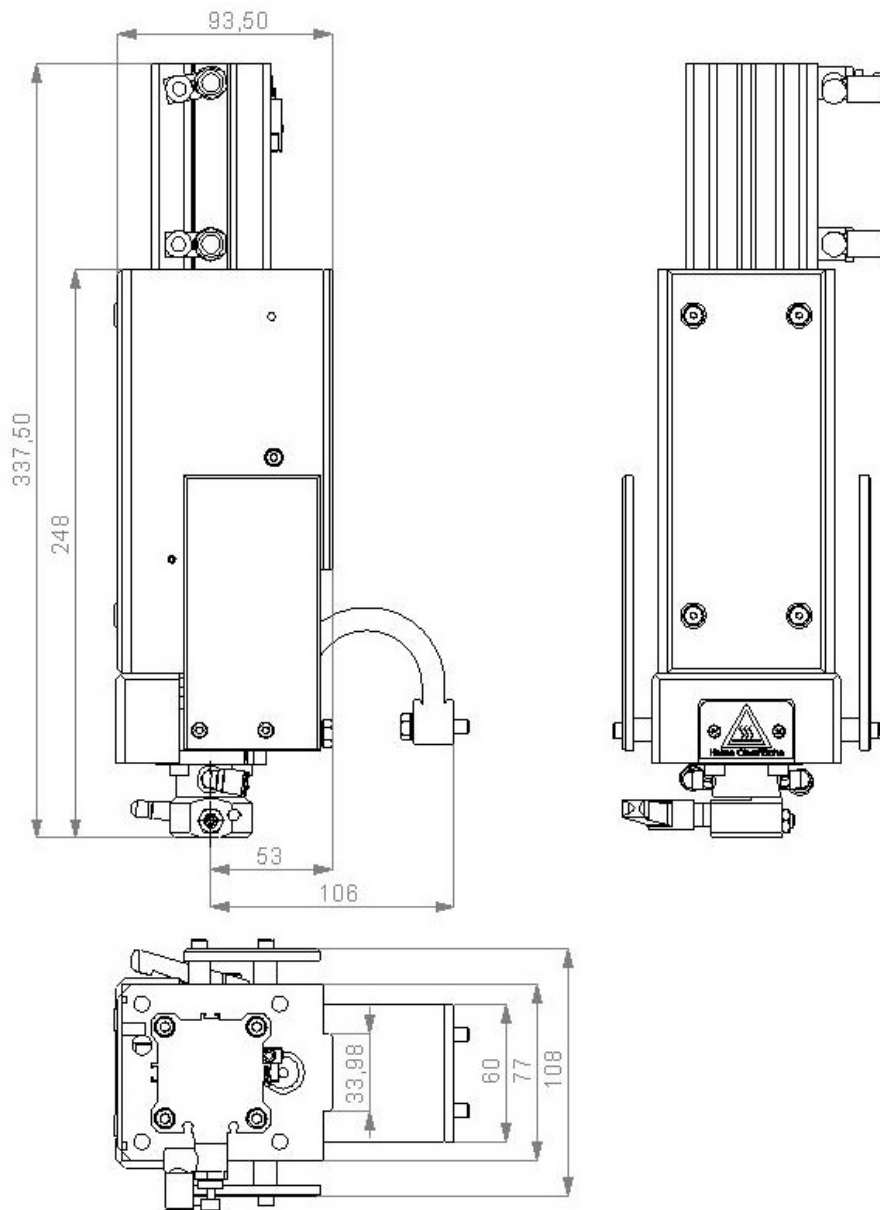
- Automotive: welding of steel-sheets
- Industry / Mechanical engineering: Welding of thicker parts
- Energy technique: thicker contacts for solar power generators and equipment
- Production of consumption goods: Heaters, cooking-pots,

Technical changes:

Technical modification and price changes without notices. All dimensions are in „mm“.
No liability can be accepted for printing errors.

Technical data:

| | |
|-----------------------------------|--|
| Infeed unit: | pneumatically driven cylinder with Ø 40mm or Ø63mm |
| Theoretical force (at 5 bar): | out driving 1.500 N |
| Medium pressed air: | filtered 5µm, free of water / dried, oiled or un-oiled |
| Pneumatic fittings: | G1/4" |
| Pneumatic hose: | Ø 6 mm |
| Working pressure: | 3 – 7 bar |
| Working temperature: | 0°C – 60°C |
| Repeatability: | ± 0,01 mm |
| Max. weight of electrode holders: | < 1,0 kg |
| Max. stroke: | 50 mm |
| Air consumption per cycle: | 0,20 L (at 5 bar and max. stroke) |
| Total weight: | 11,0 kg |



Picture: Dimension welding head SK-2110 without fixing/ mountings

Welding-head SK-2110

Option of configuration:

**Pneumatic-cylinder Ø40 or Ø63
SK-2110-RZ-000 / -050**

**Welding-head pillar
SK-2110-RG-xxx / SG-xxx**

**Displacement-sensors
SK-2110-WS-xxx**

**Displacement-spring unit
SK-2110-RR-xxx**

**Copper-connection
SK-2110-KB-000**

**Electrode-base-holder, top, with /
without Cooling SK-2110-RO-xxx**

**Electrode-holder, top
SK-2110-EO-xxx**

**Electrode-holder, below
SK-2110-EU-xxx**

**Console, long, for special pillar
SK-2110-RK-100**

