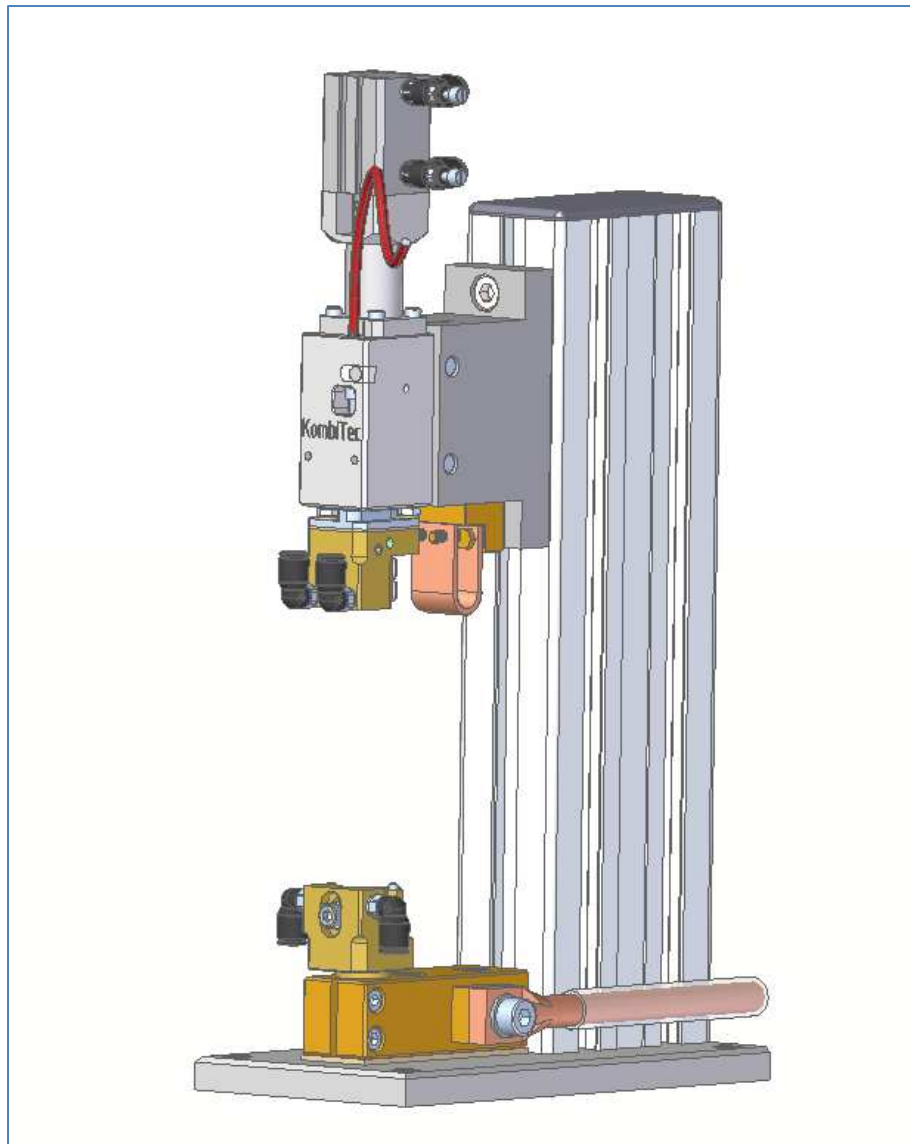


Technical data-sheet for Welding head SK-2012

Manufacture:

KombiTec GmbH
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Benefits:

- Compact design
- High dynamics due to low moving mass
- Total weight only 700 g
- Seal less cylinder
- Precise electrode quick-change system is standard
- Thermode holder available
- Can also be used as a double header
- Precise positioning accuracy
- High stability and load capacity due to preloaded ball guides
- Best reproducibility due to form fit
- Excellent resetting behavior
- Easy retrofitting and adjustment of the displacement sensor possible

Application areas:

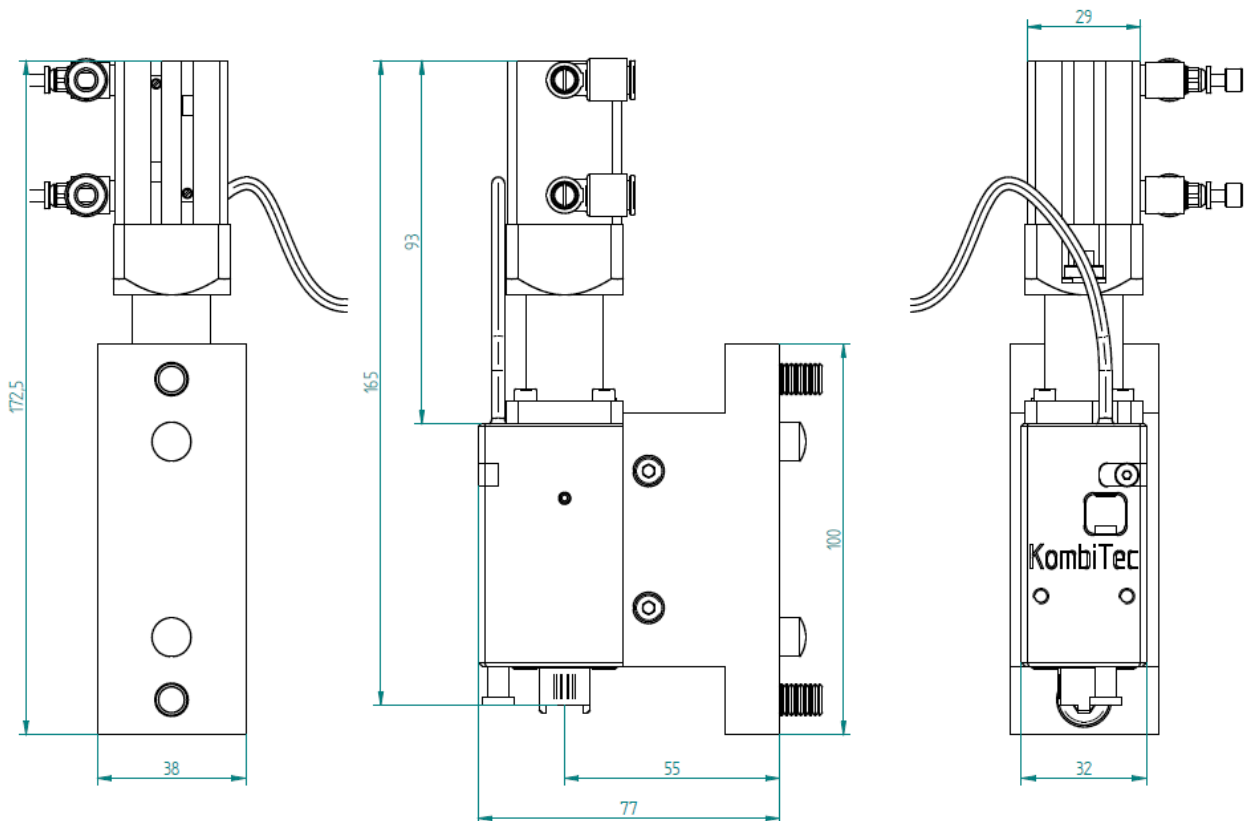
- Lamp industry: welding of small and smallest components, welding of filaments, contacts
- Automotive: Over molded stamped bent parts, stamped grid connections
- Electrics/electronics: hot-staking for coils (Cu enameled wire welding), sensor production
- Welding of 3-dimensionally distributed spot welds with the aid of a handling system
- Thermocompression welding

Technical changes:

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

Technical data:

Cylinder diameter of the infeed unit:	Ø 16 mm / Ø 20 mm
Force:	Max. 180 N (out driving at 5,8 bar)
Medium pressed air:	filtered 5µm, free of water / dried, oiled or un-oiled
Pneumatic connections:	M5 / Ø 6 mm
Working pressure:	0,5 – 6 bar
Working temperature:	0°C – 60°C
Repeatability:	± 0,05 mm
Max. weight of electrode holders:	< 1,0 kg
Max. stroke:	7 mm
Air consumption per cycle:	0,05 l (at 5 bar and max. stroke)
Max. current:	ca. 5 kA at 20 %ED
Total weight:	ca. 700 g



Welding head SK-2012

Configuration options

