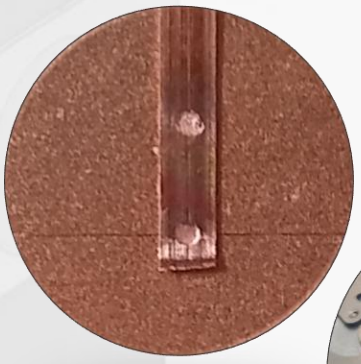
HARMS+WENDE GROUP

DZFK-200

The universal spot-welding heads to solve your joining and soldering task in small part welding.



PERFORMANCE

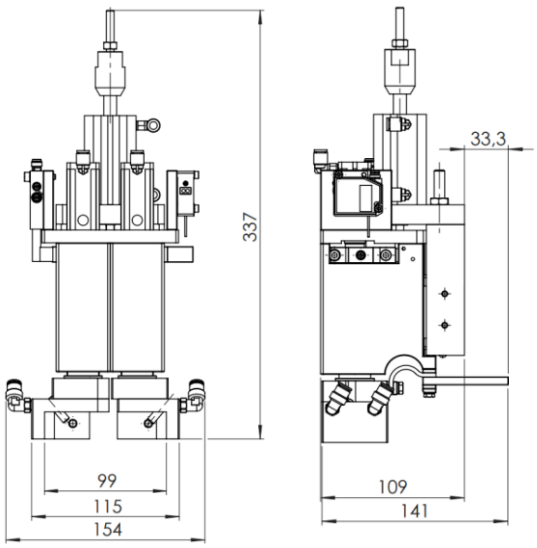
The welding heads of the ZFK series ensures a safe and trouble-free welding process. The flexible systems can be used in both manual workstations and automated systems. The heads offer a wide range of applications in the area of small part welding

CHARACTERISTICS

- Suitable for manual workstations and automation solutions
- Compact design
- Use with weld materials with good or poor weldability
- Optionally with integrated position measuring system
- High quality requirements
- Implementation and replacement in existing systems possible
- Quick replacement of the power-springs/ follow up units
- numerous applications

… and much more

Precision spot welding heads for micro welding



APPLICATION

- Spot welding
- Projection welding
- Cross wire welding
- Contact welding
- Resistance soldering

BENEFITS

- Effective manufacturing processes
- High flexibility
- Maximum security
- High weld quality
- Fast integration
- Safe manufacturing processes
- Ease of maintainability
- High cycle times
- Gentle landing

TECHNICAL DATA

Features	DZFK-200
In general	
Style	Guide head for integration without rack
Options	Customer-specific adaptation to the welding task
Electrical data	
Secondary connection	Secondary cable to the transformer 70 mm² – 90 mm²
Signaler	Fork light barrier OG010U.I-GW1O.7WL from Baumer Distance sensor sinking distance - laser distance sensor type OM20 - P0120.HH.YUN from Baumer
Maximum welding current	approx. 5 kA at 20% E.D.
Mechanical data	
Welding force	approx. 25 N – 205 N depending on the power cylinder
Force introduction (actuation)	pneumatic
Force adjustment	pneumatic
Compressed air connection	max. 6 bar
Electrode holding	Customer-specific adaptation
Arm projection / Arm distance	Customer-specific adaptation
Electrode stroke in mm	0 – 30
Dimensions in mm	337 x 154 x 141 mm (H x W x D)
Weight	approx. 6,5 kg
Operating data	
Ambient temperature	0 – 40° C
Cooling	Water-cooled electrode arm holders

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