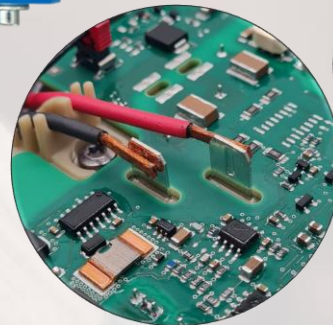
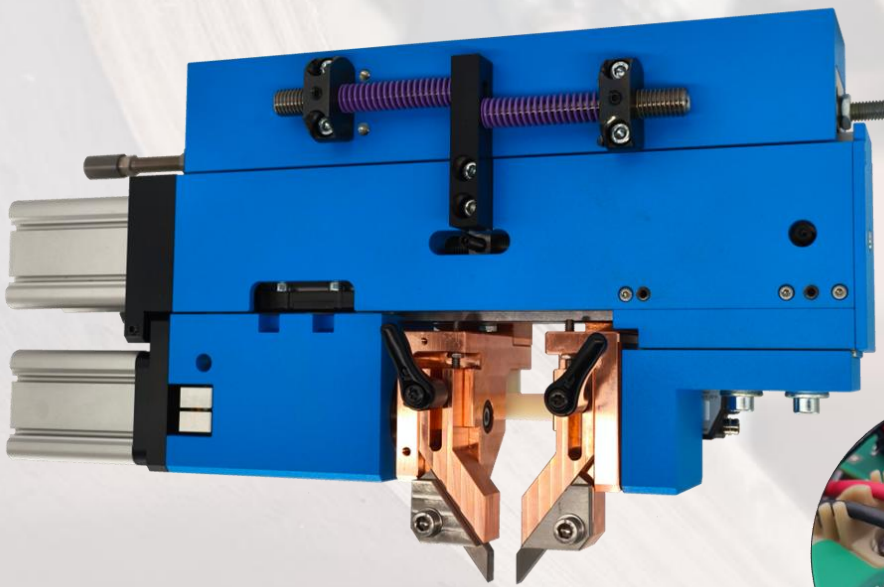




# SZ-600

*The universal spot welding gun to solve your joining and soldering task in small part welding.*

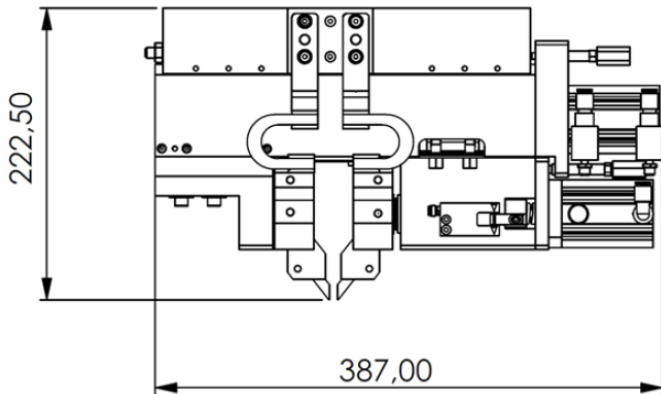


## PERFORMANCE

The welding guns of the SZ series ensure a safe and trouble-free welding process. The flexible systems can be used in both manual workstations and automated systems. The gun offer a wide range of uses in the area of small part welding.

## CHARACTERISTICS

- Suitable for manual workstations and automation solutions
- Use with weld materials with good or poor weldability
- Compact design
- Distance measuring system can be easily upgraded
- Used for joining parts with difficult geometry
- High quality requirements
- Implementation as well as replacement in existing systems possible
- numerous applications  
... and much more



#### APPLICATION

- Spot welding
- Projection welding
- Cross wire welding
- Contact welding
- Enamelled wire welding
- Hot Staking

#### BENEFITS

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

**SZ-600 – The universal spot welding guns to solve your joining and soldering task in small part welding**

#### TECHNICAL DATA

| Features                       | SZ-600                                                                                                                                                                                                |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>In general</b>              |                                                                                                                                                                                                       |
| Style                          | Automatic version with secondary connections                                                                                                                                                          |
| Options                        | <ul style="list-style-type: none"> <li>– Customization possible according to customer requirements</li> <li>– Power actuating cylinder or scale house with up to 3 different power springs</li> </ul> |
| <b>Electrical data</b>         |                                                                                                                                                                                                       |
| Secondary connection           | Secondary cable to the transformer 25 mm <sup>2</sup> – 250 mm <sup>2</sup>                                                                                                                           |
| Signaler                       | Baumer                                                                                                                                                                                                |
| Maximum welding current        | approx. 8 kA at 50% E.D.                                                                                                                                                                              |
| <b>Mechanical data</b>         |                                                                                                                                                                                                       |
| Welding force                  | approx. 31 N – 628 N depending on the power cylinder                                                                                                                                                  |
| Force introduction (actuation) | pneumatic                                                                                                                                                                                             |
| Force adjustment               | manually with scale house and knurled screw or pneumatically with power cylinder                                                                                                                      |
| Compressed air connection      | min. 6 bar network pressure                                                                                                                                                                           |
| Electrode holding              | □ 8 x 5                                                                                                                                                                                               |
| Arm projection / Arm distance  | Individually                                                                                                                                                                                          |
| Electrode stroke in mm         | 0 – 20                                                                                                                                                                                                |
| Dimensions in mm               | 387 x 129 x 223 mm (H x W x D)                                                                                                                                                                        |
| Weight                         | approx. 11 kg                                                                                                                                                                                         |
| <b>Operating data</b>          |                                                                                                                                                                                                       |
| Ambient temperature            | 0 – 40° C                                                                                                                                                                                             |
| Cooling                        | Water-cooled electrode arm holders                                                                                                                                                                    |