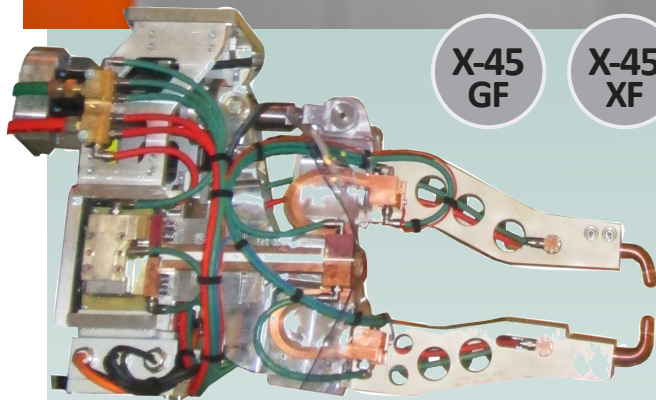
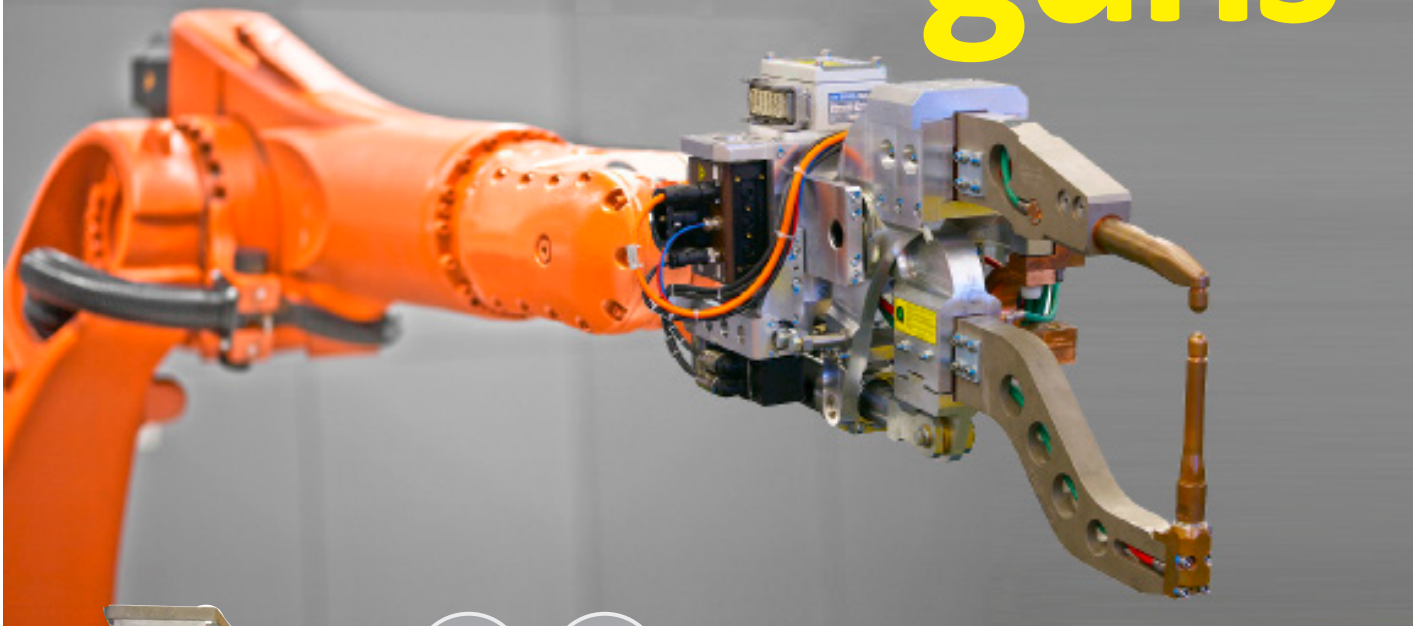
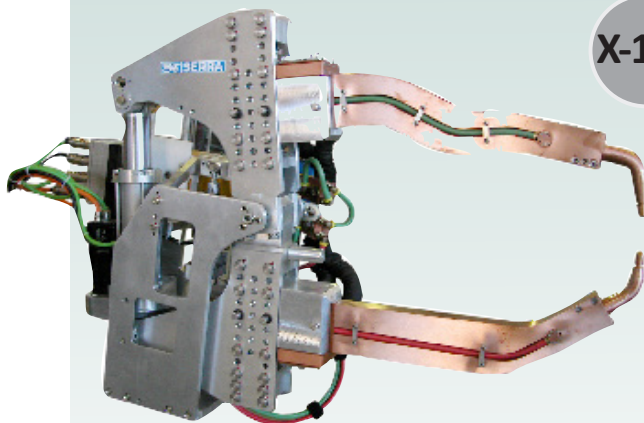
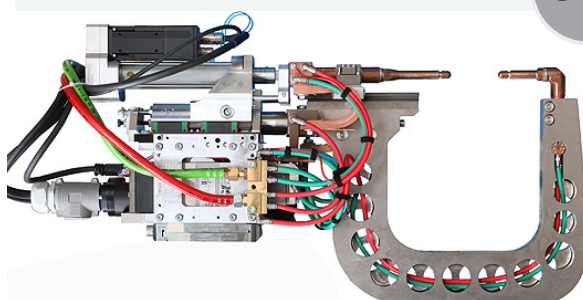


# robot guns

X-45  
GFX-45  
XF

X-100



C-50

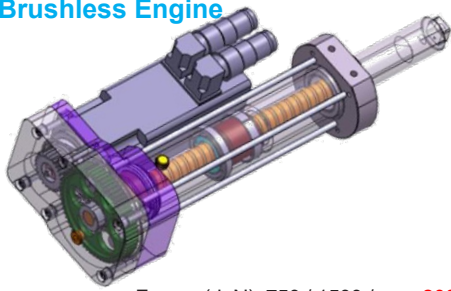
- Powers from 54 to 100 kVA
- Servomotor force up to 2000 daN
- "C" or "X" shape
- Gun supports in 0°, 35° or 90°
- Compact Medium Frequency transformers. AC in option.
- Operation options:
  - Pneumatic
  - Double servoelectric drive
  - Servoelectric drive controlled by the 7<sup>th</sup> robot axe.
- Dedicated designs under request
- Optional Field Buses.
- Dedicated applications for Aluminium under request.



### Optionals:

- 2D/3D dedicated design
- Pneumatic compensation
- Manual tool changer
- Automatic pneumatic tool changer
- Copper rounded arms (X100/C50)
- Field buses
- Kevlar cover

### Brushless Engine



- Forces (daN): 750 / 1500 / new 2000 daN
- High performance and low maintenance
- Excellent balance weight-power



**KUKA Quantec KRC4**



**ABB IRB 6600 - 7600**

### 2 working modes :

- Pneumatic compensation
- Robot program compensation

### AS-6 MF Welding Cabinet

- SERRA standard welding cabinet
- MFC-3000 MF weld controller
- Optional WOW Suite adaptive welding software.
- Optional RIP panel with flowmeter



| Technical features                  |          | X45GF   | X45XF   | X100C     | X100L     | C50      |
|-------------------------------------|----------|---|---------|-----------|-----------|----------|
| <b>Transformers AC</b>              | kVA/type | 54 kVA - J • 76 kVA - J                           |         |           |           |          |
| <b>Transformers MF</b>              | kVA/type | 75 kVA - HE • 100 kVA - JE                        |         |           |           |          |
| Maximum force on main motor         | daN      | 1500  | 2000    | 1500      | 1500      | 750      |
| Arms section                        | mm       | 40 x100   | 40 x100 | 40 x100   | 40 x100   | 50       |
| Gun body maximum force              | daN      | 650   | 650     | 500       | 500       | 570      |
| Distance between arms (min-max)     | mm       | 232,5   | 232,5   | 249 - 374 | 249 - 524 | 75 - 300 |
| Maximum arm length                  | mm       | 650   | 650     | 750       | 750       | 320      |
| Cooling flow. Parallel circuit.     | l/min    | 9   |         |           |           |          |
| Water inlet temperature (min-max)   | °C       | 10 / 30   |         |           |           |          |
| Minimum diferential pressure in gun | bar      | 1,5   |         |           |           |          |
| Gun weight (min-max)                | Kg       | 88 - 96   | 89 - 97 | 116 - 139 | 120 - 143 | 60 - 90  |
| Main motor stroke                   | mm       | 90  | 90      | 140       | 140       | 145      |
| Main motor weight                   | Kg       | 13,3  | 13,9    | 15        | 15        | 10       |
| Compensation motor max.             | daN      | 213   | 213     | 213       | 213       | 213      |
| Compensation motor stroke           | mm       | 26  |         |           |           |          |
| Gun support angle                   | °        | Standard: 0°, optionals 35° and 90°               |         |           |           |          |
| Weld Controller / Control Cabinet   | -        | AC: Serratron 100 / AS-4 --- MF : MFC 3007 / AS-6 |         |           |           |          |

