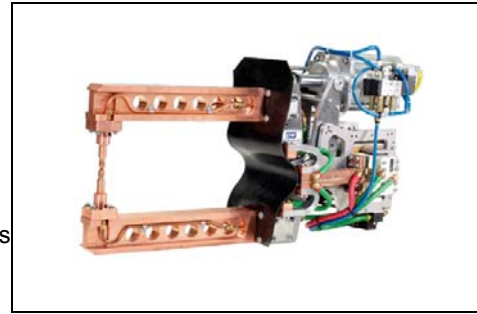


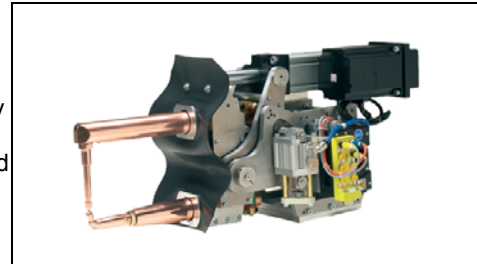
**Robot guns**

A huge range of robot guns is available, so it is not possible to show them all on these pages.

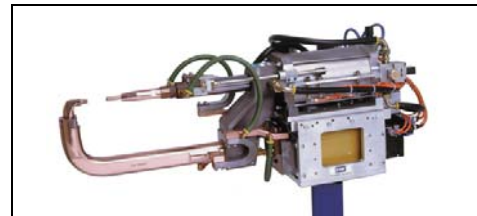
Air operated X-type guns. Weld forces up to over 800daN. This gun has copper plated aluminium arms in order to reduce overall gun weight.



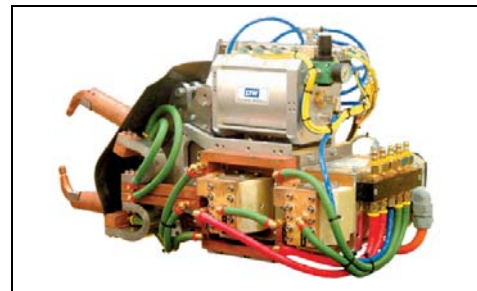
Servo operated guns are becoming the norm as users realise the quality and cost benefits of electrically driven weld guns. The PW standard system uses a tried and tested ball screw actuator, with a motor supplied by the robot manufacturer, allowing simple 7<sup>th</sup> axis integration with the robot.



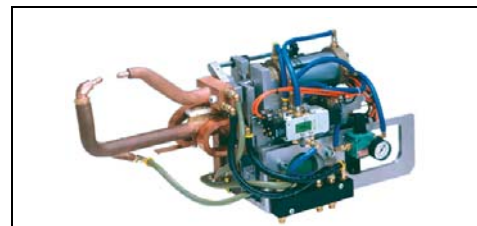
Air operated C-type guns, with cylinders up to 160mm delivering weld forces of over 800daN. With 50mm electrode arms, these guns are powerful production tools.



Specialist weld guns. The unit shown here has two 100kVA medium frequency transformers, connected together to increase the duty cycle.



PW is an Opel approved builder of Euroguns to European automotive companies' specifications



Reverse X-type guns allow access to difficult areas.



Fixed guns and gun changers offer great flexibility

