

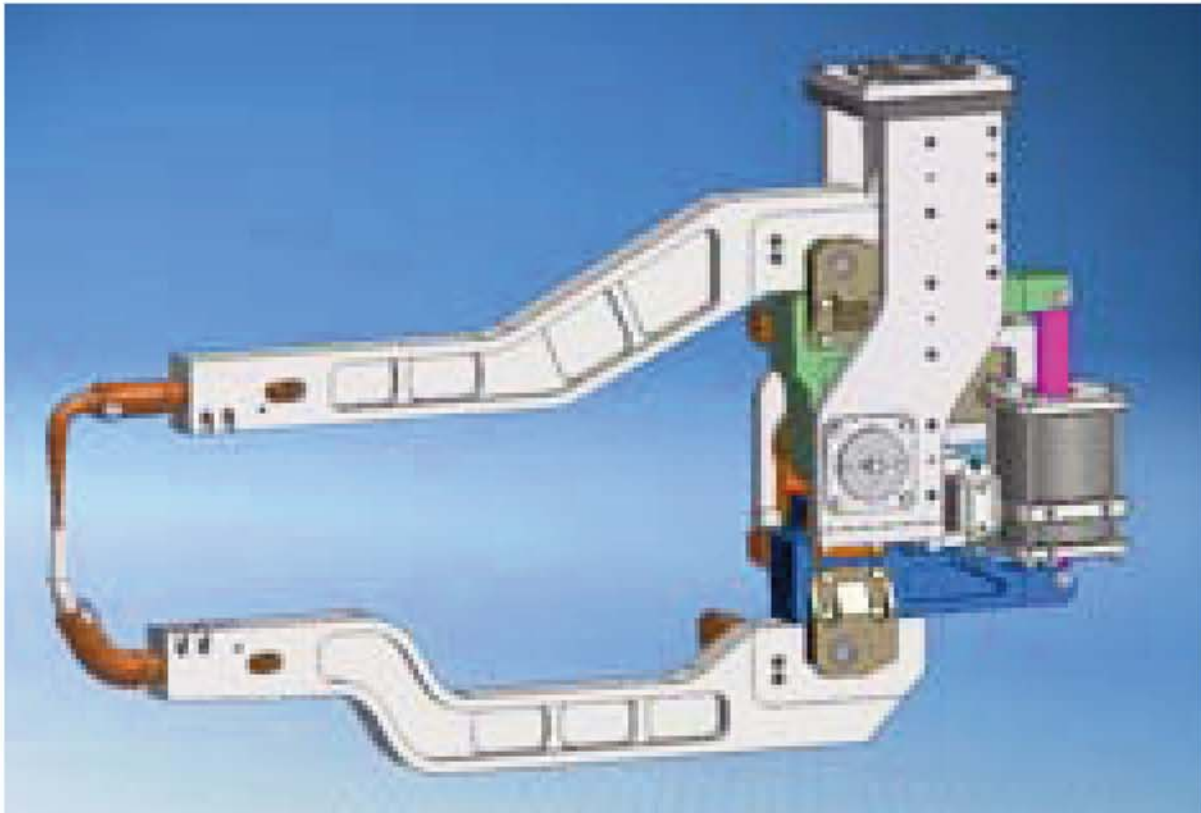
# New series of LARGE Robot Guns **SCB** type

A standard body  
common to all gun configurations  
made in high-resistance Aluminium Alloy  
allowing 1,5 m arm length and 1 m arm width.

A cylinder with different strokes both high-lift & weld stroke

Mountings with a vertical or lateral fixing

Only 14% of components are  
specifically designed for each new gun



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# ELECTRODE ARMS

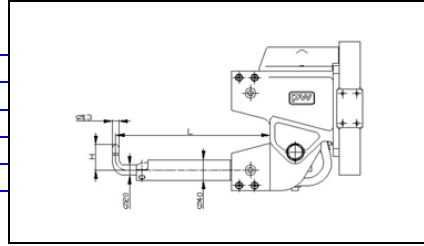
## Electrode Arms

### Standard Arms for M Series Scissor Guns

The arms shown on these pages are a guide to the most common standards. Hundreds of other designs are available. Contact our sales office, who will be able to give you full details.

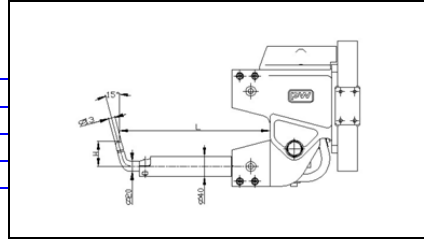
#### Straight Arms with 90° holders and electrode tip

	Length
PWA25100	250
PWA25101	300
PWA25102	400
PWA25103	500
PWA25104	600



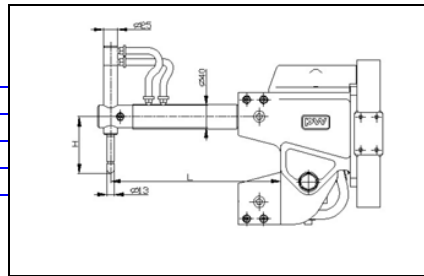
#### Straight Arms with 15° angled holders

PWA25112	250
PWA25113	300
PWA25114	400
PWA25115	500
PWA25116	600



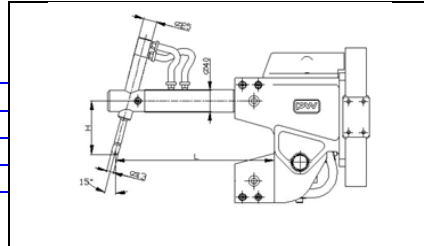
#### Straight Arms with 90° vertical stem type holder

PWA25124	250
PWA25125	300
PWA25126	400
PWA25127	500
PWA25128	600



#### Straight Arms with 15° angled stem type holder

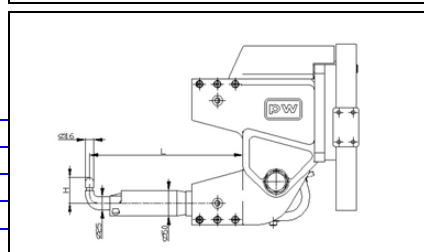
PWA25136	250
PWA35137	300
PWA25138	400
PWA25139	500
PWA25140	600



### Standard Arms for P Series Scissor Guns

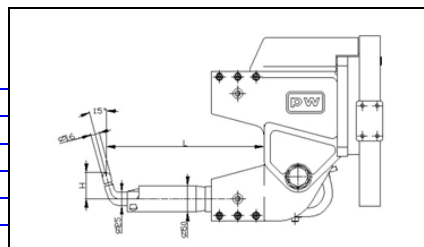
#### Straight Arm with 90° holders

PWA25106	250
PWA25107	300
PWA25108	400
PWA25109	500
PWA25110	600
PWA25111	700



#### Straight Arms with 15° angled holders

PWA25118	250
PWA25119	300
PWA25120	400
PWA25121	500
PWA25122	600
PWA25123	700



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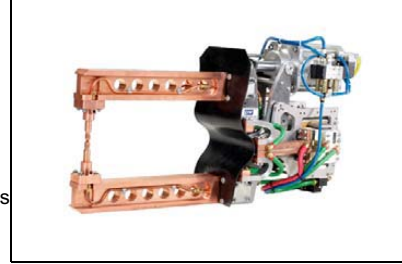
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# ROBOT GUNS

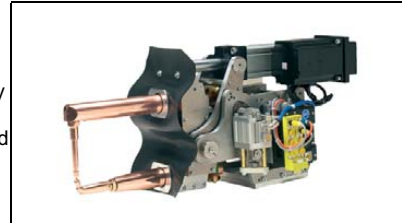
## Robot guns

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.



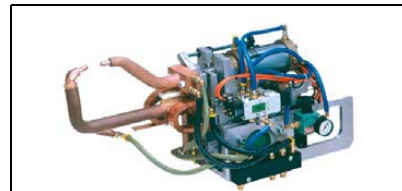
Air operated C-type guns, with cylinders up to 160mm delivering weld forces of over 800daN. With 50mm electrode arms, these guns are powerful production tools.



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



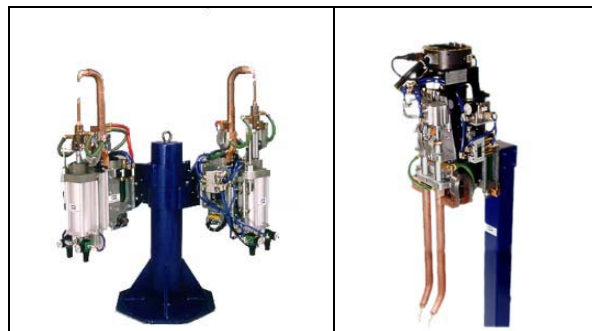
PW is an Opel approved builder of Euroguns to European automotive companies' specifications



Reverse X-type guns allow access to difficult areas.



Fixed guns and gun changers offer great flexibility



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# SINGLE SIDE "POKE" GUN SYSTEMS

## Single Side "Poke" Gun systems

PW poke welders are precision units, with accurate controls giving weld times as low as 1/100 sec. They are extensively used in the aircraft industry, and for other accurate welding needs.

PKGB3 240 Light Console with 240 volt 2.2kVA transformer, with Synchronous Control, complete with 3 metres of 2.5mm primary cable

PKGB3 110 As above 110 volts

PKGB12L Bench Console with 240 volt 5kVA transformer, with 4 heat controls and complete with Synchronous IC Control and 3 metres 2.5mm Primary Cable

PKGB13H Bench Console with 415 volt 15kVA Transformer, with 4 heat controls and complete with Synchronous IC Control and 3 metres 6.0mm primary cable

POKETROL Trolley for B12 and B13



## B50 and B100 50kVA and 100kVA heavy duty poke welders

These powerful units are intended for heavy duty industrial applications, working either on thicker material, or where higher duty cycles are required.

The powerful transformers deliver over 12kA of welding current through heavy duty watercooled cables, and small pneumatic guns, both C and X-type are available.

Sophisticated but simple controls allow confidence in weld repeatability.



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# "POKE" GUN SYSTEMS

## Poke Gun systems

PW has long specialised in these precision, single side welders. Designed for thin or very thin sheets and wires, the welders are used extensively in aircraft and other precision industries, but have many applications in the general industrial world.

**PKGPG1** Light Pencil Gun, with 10mm screw-in electrode tip 2x1.5m welding leads, earth clamp and built in microswitch or foot switch initiation. (specify on order). Available with straight tip. PKGPG1/1 shown.



**PKGPG2** Light Moulded Plastic Poke Gun, with 10mm screw-in electrode tip, 2x1.5m welding leads, with sheet metal clamp with 75mm copper jaws



**PKGPG3** As above but with 1/2" BS807 taper tips  
Shown with wheel. Also available with straight tip



**PKGPG3W** Poke Gun as above but with water-cooled tips and sheet metal clamp.



**PKGPG4** Cast Aluminium Twin Spot Poke Gun with 2 x PW-667 electrode tips.



**PKGPG5M** Miniature Welding Pliers with 3mm dia. electrode tips and lightweight leads



**PKGPG5** Standard Welding Pliers with 6mm dia. electrode tips and 2 x 2.5m leads



**PKGPG6** Heavy Duty Poke Gun, with adjustable spring loading and automatic switching.



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