



## PW Precision welding systems

PW Precision Welding Systems offer the latest in high precision welding technology. The weld heads deliver precisely metered forces down as low as 0,5daN and the most sophisticated power supplies and controls allow weld timing in milli-seconds and deliver accurate DC welding current from 4kHz medium frequency transformers.

As always with PW equipment, the systems are designed to be cost effective.

### Weld head BH Series

The PW weld heads can be operated either by foot pedal or by an air cylinder. They will deliver forces from 0,5daN up 180daN and are of a low inertia design, all parts except the electrode assembly being isolated from the air cylinder.

The electrode assembly is held in its mechanically isolated position by two high tensile leaf springs and adjustment to counteract the weight of the weld head is incorporated in the design.

Three force springs are provided with the BH Series Weld Heads, allowing the user to select weld forces of between 0.5N and 180N



Technical Features	BH-P BH-PT*	BH-F BH-FT*
Actuation	Air	Foot pedal
Weld force max. BH-09	0,5N to 9N	
Weld force max. BH-120	9N to 120N	
Weld force max. BH-180	120N to 180N	
Max. rating	10kVA	
Electrode stroke mm	40mm max.	
Throat depth	153mm	
Electrode diameter mm	6	
Air solenoid voltage	24V DC	--
Max air pressure	4,5bar	--
Cylinder diameter	25mm	--
Overall dimensions	H453mm x W45mm x D248mm	
Weight	5,4kg	

\* Twin head units with independent pneumatic / foot actuation.



## Power Supplies

The DBZ range offers the latest in welding technology. The two power supplies offer mill-second precision with medium frequency transformers and inverters. Up to 3kA of DC weld current is available and both controls have multi-program capabilities, with multi-pulse welding in conjunction with both up and down slope.

In line with PW's policy to source the best units at the best prices, the units are very competitively priced and offer a unique opportunity to upgrade to 21<sup>st</sup> Century technology.



Technical features	
Type	<b>DBZ-100</b>
Rated power	4kVA
Duty cycle %	10%
Input voltage V	230V 1ph 400V 2 ph
Inverter frequency kHz	3
Output voltage V	6.5V
Welding current A	100 - 1000
Welding pulses	3
Current up/downslope control	Yes
Weld timing	In milli-seconds
Welding programs	20
Cooling	Air cooling
Overall dimension mm (L×B×H)	185 ×335 × 495
Weight (kg)	19.5kg

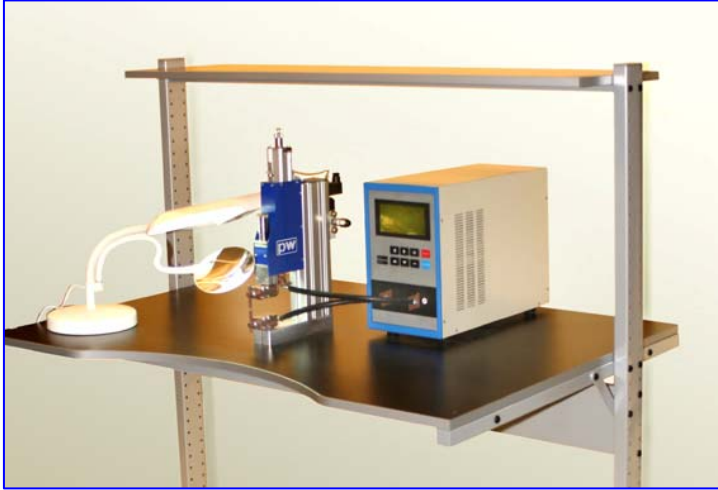


Technical features	
Type	<b>DBZ-300</b>
Rated power	10kVA
Duty cycle %	15%
Input voltage V	230V 400V (DBZ-300A/B)
Inverter frequency kHz	4
Output voltage V	9V
Max welding current A	3000
Welding pulses	3
Current up/downslope control	Yes
Weld timing	In milli-seconds
Welding programs	8
Cooling	Air cooling
Overall dimension mm (L×B×H)	480×225×385
Weight (kg)	21kg



## Accessories

A wide range of accessories is available for the Precision Welding Systems.



Modern bench systems give clean and easy access to the weld area, with storage space above for procedures, manuals and spares.



Precision force gauge ensures accurate set up of the weld heads and can be used to check consistency of force application



A variety of lighting and magnifying options can be supplied, along with microscopic viewing requirements.

Contact PW for further information.

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