



PA-H020A Pulsed Arc Power Supply (formerly known as PA-20P)

The PA-H020A range of programmable pulsed arc power supplies are linear DC precision arc-welding units extensively used in contactless, high speed solder free coil and wire termination industries. Available for single output laboratory use or multi output high speed automation applications alike, these units employ state of the art closed loop electronic arc control circuitry to deliver output accuracies and repeatability better than 1% with currents up to 200 amps. Welding currents and profiles are fully programmable with real time graphical oscilloscope feedback that provides process monitoring and quality assurance Pass/Fail criteria as standard.

Key Features PA-H020A Pulsed Arc Power Supply

- > Colour Touch Screen with graphical weld tracing
- > Constant Current Arc control to within 1% accuracy
- > Single or Double Pulse outputs
- > Simple to use, intuitive touch key menu.
- > Compact, high performance and low cost
- > Single phase 115VAC or 230VAC operation (PA-H020A, PA-H040A, PA-H060A)
- > The 100 Amp unit is three phase 380 / 460VAC (PA-H100A, PA-H200A)
- > One, two or four output variants with 20 to 200 amp outputs + options for gas control

Specifications PA-H020A Pulsed Arc Power Supply (formerly known as PA-20P) 1/2

Model	PA-H020A	PA-H040A	PA-H060A
Maximum Output Current	20 Amps DC	40 Amps DC	60 Amps DC
Duty cycle	5% @ 20A	5% @ 40A	5% @ 60A
Open circuit voltage	80VDC	60VDC	60VDC
Options	1,2 or 4 outputs	1 or 2 outputs	1 output Multi output on request
Mains supply 50/60Hz	110V/230VAC +/-15%	110V/230VAC +/-15%	110V/230VAC +/-15%
Up slope time (0.1 ms steps)	0.1 - 99.9 ms	0.1 - 99.9 ms	0.1 - 99.9 ms
Peak weld time (0.1 ms steps)	0.1 - 999.9 ms	0.1 - 999.9 ms	0.1 - 999.9 ms
Down slope time (0.1 ms steps)	0.1 - 999.9 ms	0.1 - 999.9 ms	0.1 - 999.9 ms
2nd pulse weld delay time	1 - 999 ms	1 - 999 ms	1 - 999 ms
Cooling (overheat protected)	Fan	Fan	Fan
Max gas pressure	1 Bar - Single Output	1 Bar - Single Output	1 Bar - Single Output
Gas pre/purge timing	Programmable	Programmable	Programmable
Dimensions (D x W x H)	490 x 270 x 300mm	490 x 270 x 300mm	490 x 270 x 300mm

Specifications PA-H020A Pulsed Arc Power Supply (formerly known as PA-20P) 2/2

Model	PA-H100A	PA-H200A
Maximum Output Current	100 Amps DC	200 Amps DC
Duty cycle	5% @ 100A	5% @ 100A
Open circuit voltage	45VDC	45VDC
Options	1 output Multi output on request	1 output
Mains supply 50/60Hz	380 / 415 / 460VAC 3 phase	380 / 415 / 460VAC 3 phase
Up slope time (0.1 ms steps)	0.1 - 99.9 ms	0.1 - 99.9 ms
Peak weld time (0.1 ms steps)	0.1 - 999.9 ms	0.1 - 999.9 ms
Down slope time (0.1 ms steps)	0.1 - 999.9 ms	0.1 - 999.9 ms
2nd pulse weld delay time	1 - 999 ms	1 - 999 ms
Cooling (overheat protected)	Fan	Fan
Max gas pressure	1 Bar - Single Output	1 Bar - Single Output
Gas pre/purge timing	Programmable	Programmable
Dimensions (D x W x H)	445 x 560 x 220mm	490 x 270 x 300mm

Product applications PA-H020A Pulsed Arc Power Supply (formerly known as PA-20P)



Connector pin termination



Micro wire pin connections



Micro wire pin termination



TIG ball & Wire combination



Wire to component pin



Zero contact coil termination

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OUR TECHNOLOGIES



RESISTANCE WELDING



LASER WELDING



LASER MARKING



HERMETIC SEALING



HOT BAR REFLOW
SOLDERING & BONDING



SYSTEMS SOLUTIONS

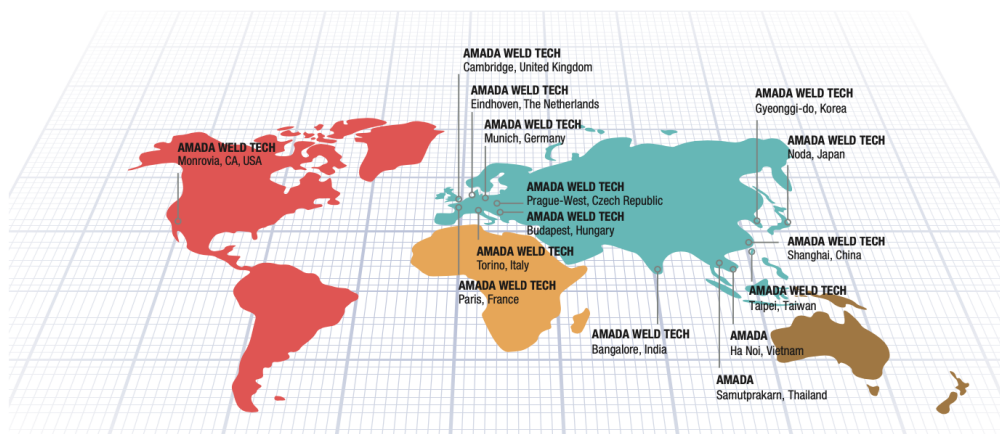


LASER CUTTING



MICRO TIG WELDING

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