



AQUAFLAME

S Y S T E M S

PROVIDING SOLUTIONS FOR ACRYLIC FLAME
POLISHING AND MICRO SOLDERING

Aquaflame Systems provide solutions for micro soldering and acrylic flame polishing through a range of products. The Aquaflame range are high performance gas-generating units, producing a high temperature flame – in the range 1200-3300°C. Not only that but each Aquaflame product is a reliable, low cost and safe operating solution to your micro welding / edge polishing needs.

Employed extensively in the jewellery, dental and other technical manufacturing industries, the Aquaflame range provides solutions for individual traders and small retailers through to larger manufacturers. Our smaller machines are suited to single users, whereas our larger machines are capable of having 2-4 users working simultaneously.

THE PERFECT TOOL FOR FLAME POLISHING.

Aquaflame machines are also ideal for edge polishing of acrylic, as this method of polishing requires no other materials or compounds and can finish intricate shapes, in a single quick and easy operation.

Overall, the clean flame and precise control of the Aquaflame Systems machines make them the ideal choice for precision soldering, micro welding and edge polishing acrylic. They are also great value and easy to use and adjust, which is perfect for small business and large manufacturers alike.

A CLEAN GREEN FLAME

Using a standard electrical supply, hydrogen and oxygen are produced by the electrolysis of distilled water, in the correct ratio such that the hydrogen can be burnt in the oxygen, so producing a highly controllable, efficient high energy heat source. The only product of this process, other than energy, is water.

A truly efficient clean and environmentally friendly process. Prior to this chemical reaction, mixed gases are passed through a gas atomiser and delivered to single or multiple torches via an output tube.



Micro precision soldering of pewter figurine (supplied by Ballantynes Of Walkerburn)



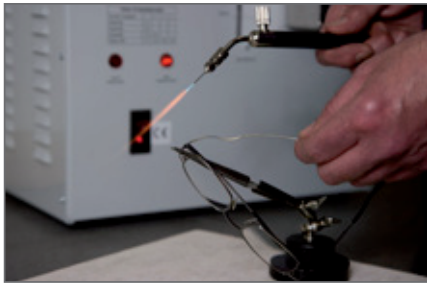
Flame polishing of acrylic edge

PROVIDING SOLUTIONS FOR MICRO SOLDERING.

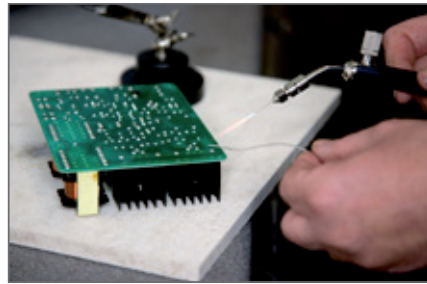
WHAT CAN THE AQUAFLAME MACHINES BE USED FOR?

The range of AquaFlame Systems machines is very versatile, and can be used in various industries.

Some of the most popular uses are:



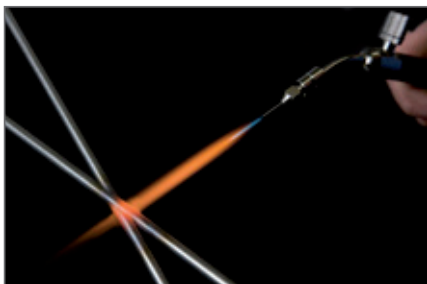
OPTICAL REPAIRS



SOLDERING CIRCUIT BOARDS



SOLDERING MEDICAL INSTRUMENTS



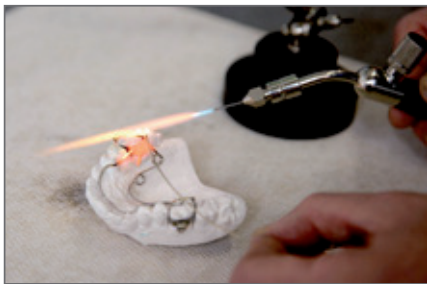
MICRO PRECISION WELDING



FLAME POLISHING ACRYLIC



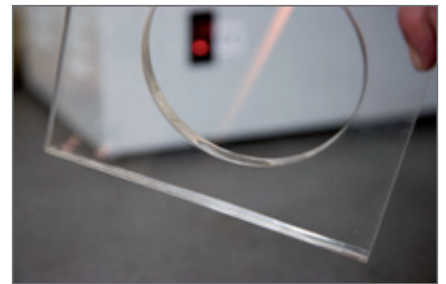
JEWELLERY SOLDERING



DENTAL EQUIPMENT REPAIRS



MICRO PRECISION SOLDERING



INTERNAL FLAME POLISHING

These are just some of the many uses of the AquaFlame machines. Others include fusing and working fibre optics, lost wax / wax assembly, columnar lime lights and producing thermocouple junctions – but the list could go on and on! Their clean, super-high temperature flame combined with their ease of use makes them the ideal tool for industries that require precision soldering or high temperature flame polishing.

A PRECISION TOOL

The flame produced by an Aquaflame machine is delivered through an interchangeable torch tip and is adjustable, allowing for an extremely precise flame.





AQUAFLAME MODELS

SYSTEMS



EQUIPMENT INFORMATION

Reference number

Gas production

Distilled water use (per day)

Maximum flame temperature

Electrical usage

Flash back fitted

Torch tips range supplied

Torch tips bore size supplied (mm)

Service recommended period

Guarantee period*

Length

Width

Height

Shipping Weight

FLAME POLISHING DETAILS

Chemical for flame positioning

Thickness that can be polished in one pass

Typical polishing times (per metre)

MODEL 500

MODEL 800

MODEL 1200

LM168

LM169

LM170

75 lt/h

120 lt/h

240 lt/h

30 ml

50 ml

100 ml

3300c

3300c

3300c

0.50 kW

0.80 kW

1.20 kW

Yes

Yes

Yes

20 - 24

18 - 24

17 - 24

0.503 - 0.310

0.839 - 0.310

1.066 - 0.310

12 months

12 months

12 months

3 years

3 years

3 years

400mm

400mm

440mm

200mm

280mm

320mm

300mm

380mm

395mm

20kg

30kg

50kg

MEK

MEK

MEK

5mm

10mm

15mm

1 min

2 mins

3 mins

* Servicing required every 12 months for guarantee to apply.

Due to continuous improvements, some of the above details may change

Distributed by



Abbeon
800.922.0977 or 805.676.0720

Plastic Working Tools and Industrial Supplies

Abbeon Cal, Inc.
1363 Donlon Street, Unit 1
Ventura, CA 93003-8387
www.abbeon.com

E-mail: abbeoncal@abbeon.com