

# “MINIBOMB”

## Chemical polishing of Gold & Silver

*Less rejects - produces bright finishes and removes fire stain with equal metal removal no erosion of edges.*

*Better looking jewellery - enriches the colour of Gold by 1 - 2 Carats & makes Silver white.*

*Fast - over 100 rings per 2 minutes using simple chemicals.*

*Higher profits through lower metal weight reduction, typically less than 1% on castings.*

*Lower metal loss - 100% Metal recovery and Zero cyanide to dispose of when using the MR4 metal extractor.*

*No operator risk - always protected from the process and fumes.*

*Easy to use, simple method to learn.*



Bombing of jewellery has been used for over 50 years and manufacturers who use this method know the value of the continuous **reliability** of the process and the **consistent** shine that is produced.

The MINIBOMB brings you the power of this process with complete safety and the minimum creation of toxic materials, used with the MR4 metal extractor, 100% of the removed metal can be recovered ready to be refined to FINE GOLD.

Operation is simple, items are poured into a process basket and placed into the MINIBOMB, using the foot operated controls the heated chemicals are dispensed onto the jewellery. The process automatically starts to remove all the “fire scale” and brighten the complete surface of jewellery. Rinsing with water inside the MINIBOMB removes any residues of chemicals, leaving the items ready to be dried and the manufacturing sequence to be continued.



Engineering Limited

Unit Z, Hamstead Ind Est, Austin Way, Great Barr  
Birmingham, B42 1DU, England  
Tel: 44 (0)121 358 1456 Fax: 44 (0)121 357 4159  
Email: [info@balco.co.uk](mailto:info@balco.co.uk) Website: [www.balco.co.uk](http://www.balco.co.uk)  
**Manufacturing processing equipment since 1969**



## Specifications

Model part no 2494D

Electrical: 220-240 volts, 10 amps  
Heater = 1.5 Kva

Heat up time 10 minutes  
Temperature range: 20 - 90C (70C optimum)

Capacities: Cyanide tank = 14 litres  
Peroxide tank = 5 litres

Extraction fan: 45 cubic metres per hour  
Outlet size 75mm diameter

Foot controls: left = Potassium Cyanide solution  
centre = water  
right = Hydrogen Peroxide

Chemicals used: Potassium Cyanide salts  
Hydrogen Peroxide 30-35%  
Operational cost: UK£ 0.15 (US\$0.25) per 1 Kg  
of gold processed.

Metals that can be processed : 8, 9, 10, 12, 14,  
18, 21 and 22K  
Gold  
Silver, all types

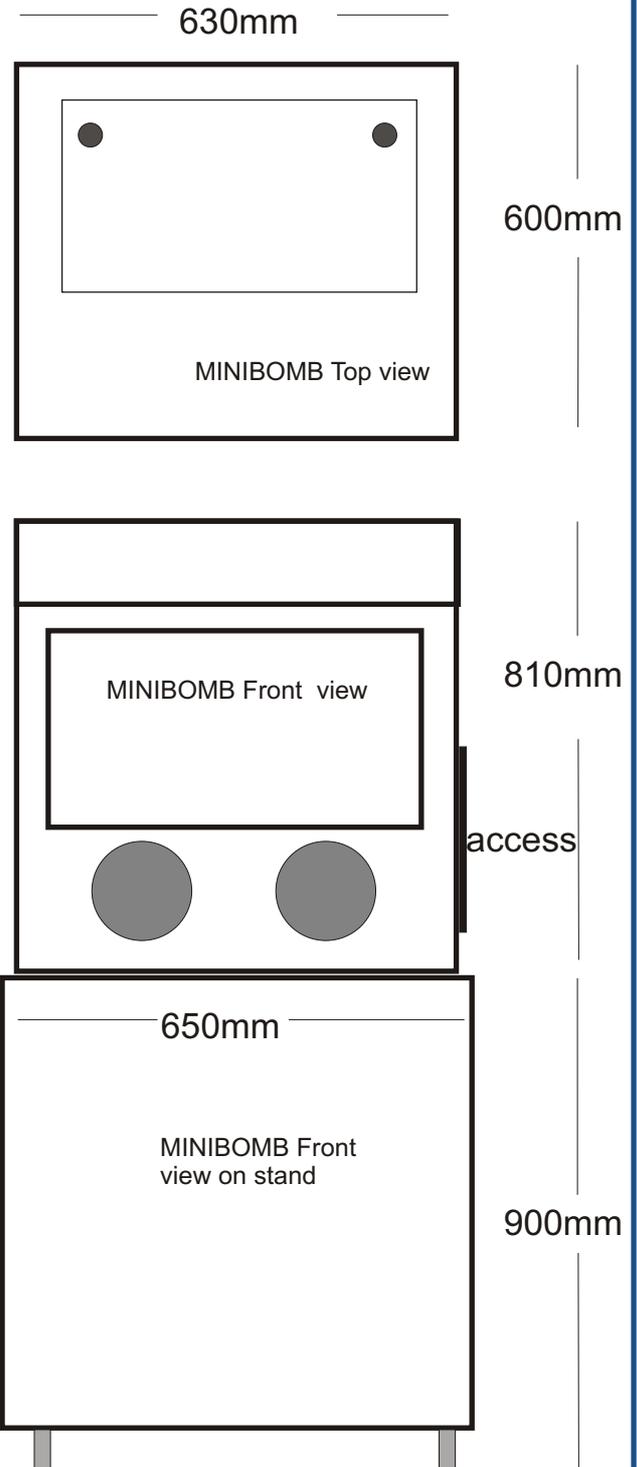
Products suitable for bombing: Castings, stampings,  
chains and hand made items.

Where in the manufacturing sequence do you use  
bombing: after casting or soldering or after abrasive  
treatments in barrelling media to remove  
discolouration.

Largest single item: 30 x 20 x 20 cms  
Smallest item: 1mm ball

Accessories.  
Autopump system No 2494F to speed production for  
large manufacturers. Allows 25Kgs to be processed  
before the MINIBOMB needs refilling. (Standard  
MINIBOMB can produce about 2 Kg before refilling.

## MINIBOMB DIMENSIONS



**Machines  
for the precious  
metal industry**



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DS 21

# “MICRO BOMB”

## Chemical polishing of Gold & Silver

*Better looking jewellery - enriches the colour of Gold by 1 - 2 Carats & makes Silver white.*

*Less rejects - produces bright finishes and removes fire stain with equal metal removal no erosion of edges.*

*Fast - over 50 rings per 2 minutes using simple chemicals.*

*Higher profits through lower metal weight reduction, typically less than 1% on castings.*

*Lower metal loss - 100% Metal recovery and Zero cyanide to dispose of.*

*No operator risk - always protected from the process and fumes.*

*Easy to use, simple method to learn.*

*Excellent for castings, chains, stampings & hand made items.*



Bombing of jewellery has been used for over 50 years and manufacturers who use this method know the value of the continuous **reliability** and **consistent** shine that is produced.

The MICRO BOMB brings you the power of this process with complete safety and the minimum creation of toxic materials, Operation is simple, items are poured into a process basket and placed into the MICRO BOMB, using the hand operated controls the heated chemicals are dispensed onto the jewellery. The process automatically starts to remove all the “fire scale” and brighten the complete surface of the jewellery. Rinsing with water inside the MICRO BOMB removes any residues of chemicals, leaving the items ready to be dried and the manufacturing sequence to be continued.



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DS 21

## Specifications

Model part no 2474D

Electrical: 220-240 volts, 10 amps  
Heater = 1.5 Kva

Nett weight = 30 Kgs

Heat up time 10 minutes  
Temperature range: 20 - 90C (70C optimum)

Capacities: Cyanide tank = 12 litres  
Peroxide tank = 500 ml

Extraction fan: 65 cubic metres per hour  
Outlet size 120mm diameter

Chemicals used: Potassium Cyanide salts  
Hydrogen Peroxide 30-35%

Operational cost: UK£ 0.15 (US\$0.25) per 1 Kg  
of gold processed.

Metals that can be processed : 8, 9, 10, 12, 14,  
18, 21 and 22K  
Gold  
Silver, all types

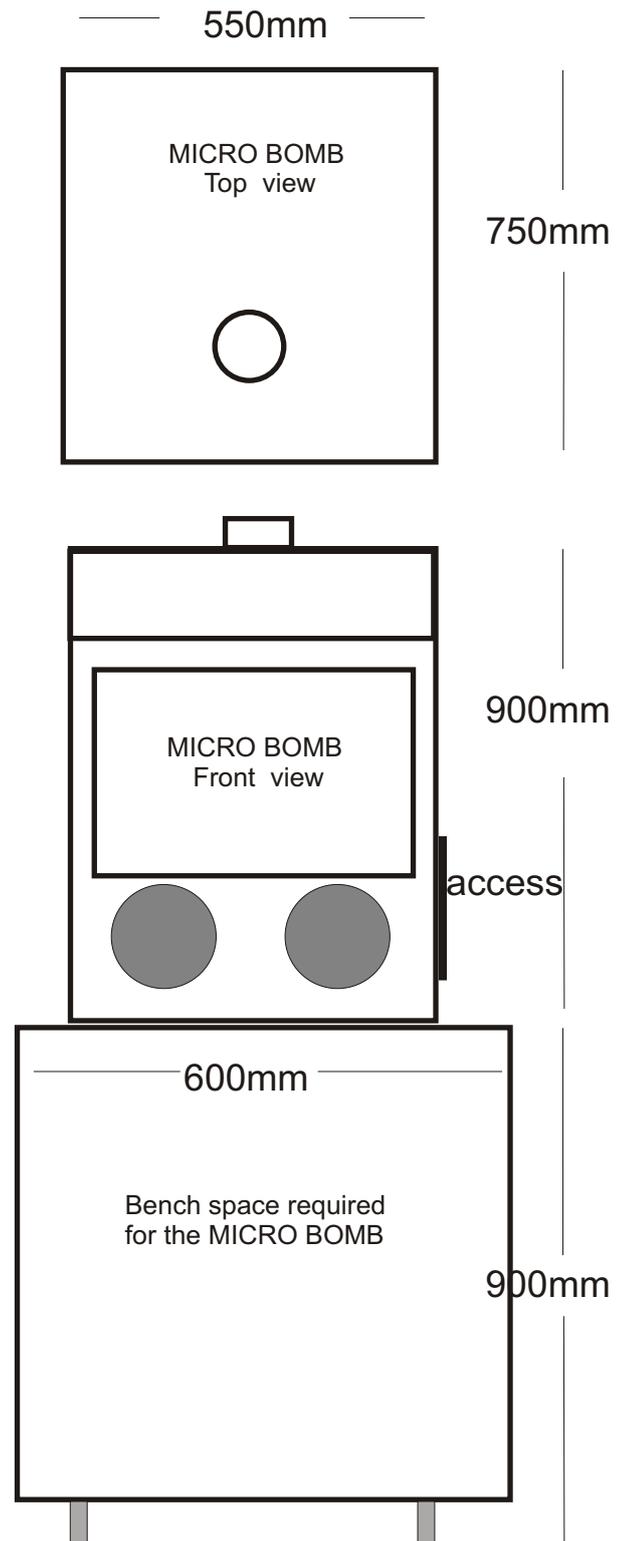
Products suitable for bombing: Castings,  
stampings, chains and hand made items.

Where in the manufacturing sequence do you use  
bombing: after casting or soldering or after  
abrasive treatments in barreling media to remove  
discolouration.

Largest single item: 15 x 15 x 20 cms  
Smallest item: 1mm ball

***Supplied with full  
instructions.  
Made in Britain***

## MICRO BOMB DIMENSIONS



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