

Quality Engineering Built To Last

For over a quarter of a century BEMCO has led the field in the design and manufacture of equipment for the Surface Finishing Industry.

Our products are used daily in the *Aerospace, Automotive, Medical, PCB, Electronics and Engineering Industries* throughout the **UK, Europe and Globally.**

A company built on integrity and reliability, actively developing new products to enhance our existing range.

Many of the original fixtures and wire forms designed by BEMCO are still in common use to this day.



Electroplating
Fixtures

Electroplating Jigs
for PCB

Paint Fixtures

Standard Titanium
Anodising Jigs
Part 1

Standard Titanium
Anodising Jigs
Part 2

Titanium Jig
Accessories &
Fasteners

Titanium Clips

Clips & Cradles

Bespoke Titanium
Jigs

Anodes

Heaters:
VAT Hairpin
H + S Tube Type
'U' Type

Process Tanks

Panels

Coils

Sundries

Globemarket t/a BEMCO

Unit 101 - 102
Middlemore Industrial
Estate
Middlemore Road
Smethwick
Birmingham
B66 2EP

Phone: 0121 236 5868

Email:

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rij@bemco.uk.com

What We Do

Heaters

Corrosion resistant sheaths in Titanium, Mild Steel, Stainless Steel, Teflon and Lead available from stock in 1-18kW loadings, for over-the-side and through tank wall immersion, with or without thermostatic control. Separate thermostats and pockets. Flanged and screwed versions available.

Jigs and Fixtures

For electroplating, anodising, paint and electroless applications. Standard designs and custom built jigs are our speciality. Quick prototypes and fast turn round refurbishing service is offered.

Coils and Thermal Panels

Maintenance free heating and cooling of all types of process solutions, chemicals and foodstuffs. Thermal panels and coils are available in Titanium, Stainless Steel, Mild Steel and Inconel/Incoloy. Both panels and coils are sized and designed to suit the size of process tanks.

Anode Baskets and Cages

Titanium baskets with a variety of meshes for Nickel, Copper and Acid-zinc plating. Heavy gauge Mild Steel cages for Cyanide-zinc. Complete range of dipping baskets with wire mesh and perforated metals. Titanium anodising baskets made to order and refurbished.

Titanium Fasteners and Turned Parts

Wide range of UNC and metric threaded bolts, screws and hexagon nuts available from stock. Other sizes are available and made to order. Titanium anode hooks, anodising ancillaries and other turned parts are also available.

PVC Coatings

Where practical any product mentioned can be PVC covered in our renowned "Super Beckon". Our coating and stripping facilities are available on sub-contract basis. Collection and redelivery can be arranged if required. Other finishes including Halar and Flurene 177 available on request.

Tanks and Fabrications

Tanks, vessels, ducting, frames and pipework designed and constructed in wide range of metals and plastics. Coded welding and fabrication service available to meet clients specifications including ASME IX particularly Titanium, Stainless, Inconel/Incoloy.

ID Tags

On all of our jigs we provide an ID tagging system that allows customers to identify the correct jigs when repeat orders are placed. This means you can simply quote the ID tag number and we will know exactly what you want. The tags supplied can be attached to frames, crossbars, coils, panels or stems. The tags will remain visible even after electroplating, anodising or painting. Also it allows customers to easily see which part goes on each specific contact when loading a jig.



ID Tag Machine



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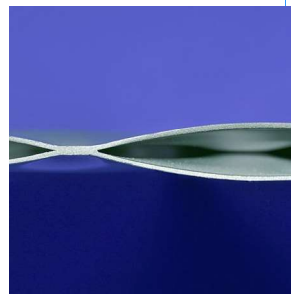
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Thermal & Cooling Panels

BEMCO Thermal Panels are double embossed and constructed of Titanium or Stainless. They offer more efficient regulator of process solutions than traditional coiled systems. Consider the Benefits:- Thermal Panels occupy less than one third of the space taken up by conventional coils of equivalent output. This means that more space is available for extra throughput or for improving tank layout. Moreover because of their narrow profile (less than ½" deep) they can be slotted into the narrowest of apertures. Other benefits include the reduced possibility of mechanical or electrical damage (arcing), because of their relative size, and increased resilience to damage or deformation by nature of their construction. They are equally suitable for heating as they are for cooling and entirely compatible with most conventional media (e.g. steam, high pressure hot water, thermal oil, glycol, chilled and mains water etc.). Because of their design and flow characteristics, pressure drop and steam hammer considerations are virtually eliminated. Standard BEMCO panels measuring 750 x 600 mm wide and incorporating two 15" (380mm) long ¾" BSP connections, are available in Titanium and Type 316 Stainless. Other sizes and terminations can be supplied on request. Fixing straps / brackets and liquid level shrouds can also be fitted. Each panel is 150lb (10 bar) rated and hydraulically tested prior to delivery.



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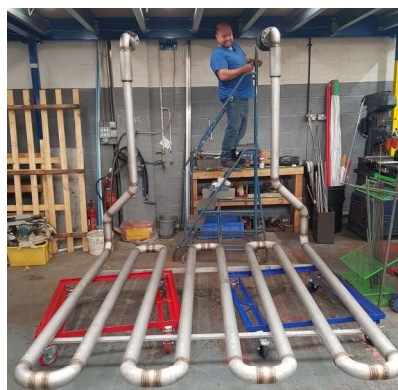
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Heating & Cooling Coils

BEMCO have been overcoming problems of heat transfer in aggressive environments ever since the introduction of Titanium metal to the Surface Treatment and Chemical Processing Industries and our heating and cooling coils have led the field for maintenance-free attemperator of process solutions, chemicals and foodstuffs. Titanium, Incoloy, PTFE, Stainless and Carbon Steels are included in our wide range of materials. For our customers' convenience the standard BEMCO Titanium coil is offered. It has been designed for vats with depths of 2 to 3 feet. Two or more coils can be installed to give the heating (or cooling) performance required. BEMCO coils are all designed to provide high efficiency vat heating and cooling with lower initial costs than water jacket systems. Control of the solution is more accurate, while the absence of non-conducting layers results in greatly increased transfer efficiency. Titanium has proved particularly suitable for heating and cooling coils in the Metal Finishing and Chemical Industries. Its lightness, strength and resistance to corrosion in many solutions means long and trouble free operation with very easy installation. We are always pleased to advise on installation for liquid phase heating or cooling and to fabricate / supply to meet special requirements. Custom built coils can be supplied, side mounted, base mounted or spirally wound complete with any type of inlet / outlet terminations and liquid level shrouds if required. All BEMCO coils are hydraulically tested at 450 p.s.i./ 30 bar, prior to delivery unless otherwise specified.



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