



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
Part 1

Titanium Clips
Part 2

Blocks & Cradles
Bespoke Titanium
Jigs

Anodes

Heaters:
VAT Hairpin
H + S Tube Type
'U' Type
Phosphate
Tubular
STFX

Heater Controls

Process Tanks

Panels

Coils

Metal Finishing
Accessories

Globemarket t/a BEMCO

Unit 101 - 102

Middlemore Industrial
Estate

Middlemore Road

Smethwick

Birmingham

B66 2EP

Phone: 0121 236 5868

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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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Standard Titanium Anodising Jigs—Part 1

The ‘anorack’ range of Titanium anodising jigs which have proved extremely reliable and very popular, comprise standard items which are uncomplicated and yet very effective. We are always happy to develop these designs and others, quickly and efficiently to suit individual requirements where necessary. BEMCO ‘anorack’ Titanium anodising jigs are the result of many years of development, they offer a complete range of highly adaptable jigs with interchangeable unit construction, offering maximum loading and efficient vat usage.



ST1 Anorack Titanium Stem Jig, 4 way, 3 prong, 915mm overall height, 610mm working depth, 24 or 48 unit version available



ST1A Anorack Titanium Strip Jig, 4 way, 2 prong, 915mm overall height, 610mm working depth, 60 or 120 unit version available



ST1B Anorack Titanium Fishbone Jig, 2 prong, 4 way, 915mm overall height, 610mm working depth, 40 or 80 unit version available



ST2 Universal 915mm Downstem with Single Titanium or Aluminium Hook

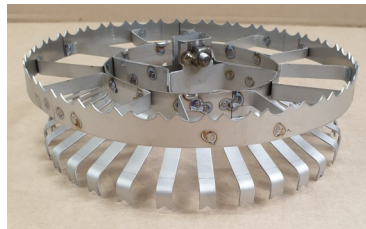
ST2A Universal 915mm Downstem with Double Titanium or Aluminium Hook

ST2 ST2A

Titanium Umbrella Jig



ST3A—Top without support ring, 30 Spring Contacts, 9” Diameter



ST3 - Middle with support ring, 30 Spring Contacts, 9” Diameter



ST4 - Bottom Notched support ring

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Titanium Clips Part 1

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Blocks & Cradles Bespoke Titanium Jigs

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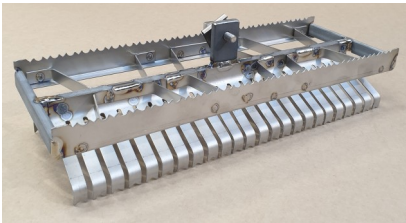
Standard Titanium Anodising Jigs—Part 2



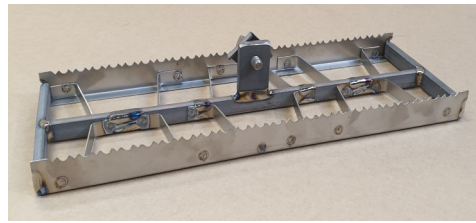
ST5 Anorack 18" Racking Bar Complete with End Fittings. Also available in 24" (ST6) and 30" (ST7)



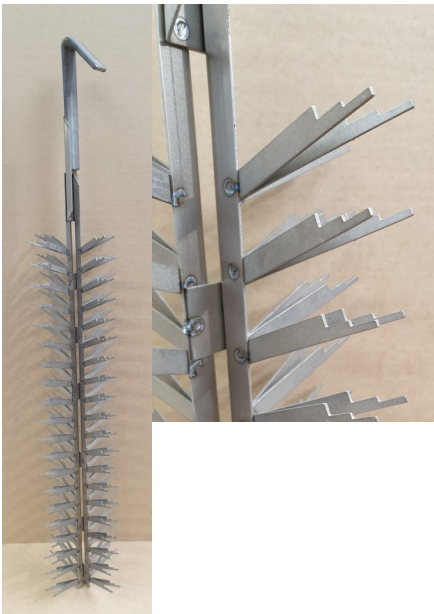
ST8 Anorack 18" Notched Base Bar Complete with End Fittings. Also



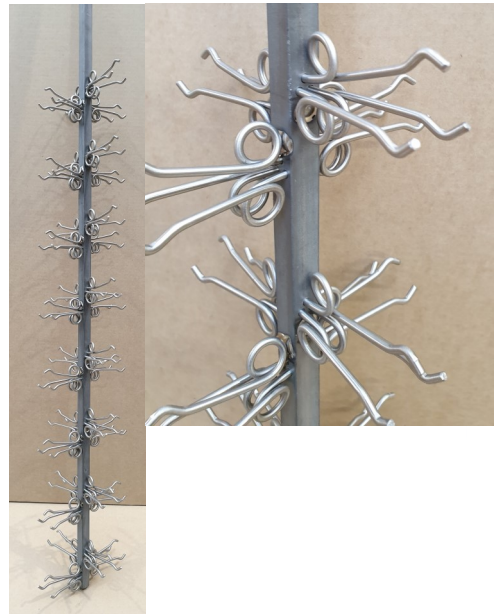
ST11 Anorack Top Notch Spring Contact Unit, 48 Spring Contacts, 12" wide



ST12 Anorack Top Notch Base Support Unit, 12" wide



ST30 A Universal Step Down Jig
Standard length: 915mm
Overall Working Depth: 610mm



ST40
Standard length: 915mm
Overall Working Depth: 610mm
 4 Way, 1 Top Spring 2 Bottom Springs, 12 to 68 unit jigs available as standard.

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Bespoke Titanium Jigs

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Titanium Jig Accessories & Fasteners



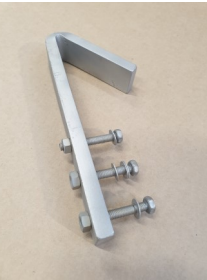
ST13A

General Purpose Type 'A' Clip with a ST15 fastener



ST17

A Rectangular Titanium Flanged Washer to fit universal downstem



ST14 Single Aluminium or Titanium Hook with Nuts, Bolts & Washers



ST14A Double Aluminium or Titanium Hook with Nuts, Bolts & Washers



Type 'R' Single Aluminium or Titanium Hook



ST15 5/16 UNC Screw 25mm or 30mm long. T-bar optional.



Our range of **Aluminium Umbrella Jigs** for use in conjunction with the BSC1 or BSC2 Plastic Block. They are available in 18, 20 or 30 unit sizes

ALU-U18



ALU-U20



ALU-U30



BEMCO has been producing Titanium fasteners and machined parts for over 25 years. These can be made as non-standard items based on customer requirements. From stock we have a large range of Metric and Imperial screws, nuts and washers. Non-standard CNC machined parts can be offered to meet customer needs.



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BEMCO Titanium Clips

We offer a wide range of Titanium Clips (**BTC**) that can be added to crossbars or stems to meet the customer needs. They differ in Sheet Thickness to Tip Width for strength and durability to suit the various units to be anodised.



Sheet Thickness	Tip Width	Item No.
0.8	1mm	FK-A-1-0.8
0.8	2mm	FK-A-2-0.8
0.8	3mm	FK-A-3-0.8
0.8	4mm	FK-A-4-0.8
0.8	5mm	FK-A-5-0.8
Sheet Thickness	Tip Width	Item No.
1.27	1mm	FK-A-1-1.27
1.27	2mm	FK-A-2-1.27
1.27	3mm	FK-A-3-1.27
1.27	4mm	FK-A-4-1.27
1.27	5mm	FK-A-5-1.27

Sheet Thickness	Tip Width	Item No.
1	1mm	FK-A-1-1.0
1	2mm	FK-A-2-1.0
1	3mm	FK-A-3-1.0
1	4mm	FK-A-4-1.0
1	5mm	FK-A-5-1.0
Sheet Thickness	Tip Width	Item No.
1.57	1mm	FK-A-1-1.57
1.57	2mm	FK-A-2-1.57
1.57	3mm	FK-A-3-1.57
1.57	4mm	FK-A-4-1.57
1.57	5mm	FK-A-5-1.57



Sheet Thickness	Tip Width	Item No.
0.8	1mm	FK-B-1-0.8
0.8	2mm	FK-B-2-0.8
0.8	3mm	FK-B-3-0.8
0.8	4mm	FK-B-4-0.8
0.8	5mm	FK-B-5-0.8
Sheet Thickness	Tip Width	Item No.
1.27	1mm	FK-B-1-1.27
1.27	2mm	FK-B-2-1.27
1.27	3mm	FK-B-3-1.27
1.27	4mm	FK-B-4-1.27
1.27	5mm	FK-B-5-1.27

Sheet Thickness	Tip Width	Item No.
1	1mm	FK-B-1-1.0
1	2mm	FK-B-2-1.0
1	3mm	FK-B-3-1.0
1	4mm	FK-B-4-1.0
1	5mm	FK-B-5-1.0
Sheet Thickness	Tip Width	Item No.
1.57	1mm	FK-B-1-1.57
1.57	2mm	FK-B-2-1.57
1.57	3mm	FK-B-3-1.57
1.57	4mm	FK-B-4-1.57
1.57	5mm	FK-B-5-1.57



Sheet Thickness	Tip Width	Item No.
0.8	1mm	FK-C-1-0.8
0.8	2mm	FK-C-2-0.8
0.8	3mm	FK-C-3-0.8
0.8	4mm	FK-C-4-0.8
0.8	5mm	FK-C-5-0.8
Sheet Thickness	Tip Width	Item No.
1.27	1mm	FK-C-1-1.27
1.27	2mm	FK-C-2-1.27
1.27	3mm	FK-C-3-1.27
1.27	4mm	FK-C-4-1.27
1.27	5mm	FK-C-5-1.27

Sheet Thickness	Tip Width	Item No.
1	1mm	FK-C-1-1.0
1	2mm	FK-C-2-1.0
1	3mm	FK-C-3-1.0
1	4mm	FK-C-4-1.0
1	5mm	FK-C-5-1.0
Sheet Thickness	Tip Width	Item No.
1.57	1mm	FK-C-1-1.57
1.57	2mm	FK-C-2-1.57
1.57	3mm	FK-C-3-1.57
1.57	4mm	FK-C-4-1.57
1.57	5mm	FK-C-5-1.57

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BEMCO Titanium Clips & Cradles



Sheet Thickness	Tip Width	Item No.
0.8	1mm	KL-3S-0.8-1.0
0.8	1.6mm	KL-3S-0.8-1.6
0.8	2mm	KL-3S-0.8-2.0
0.8	3mm	KL-3S-0.8-3.0
Sheet Thickness	Tip Width	Item No.
1.27	1mm	KL-3S-1.27-1.0
1.27	1.6mm	KL-3S-1.27-1.6
1.27	2mm	KL-3S-1.27-2.0
1.27	3mm	KL-3S-1.27-3.0

Sheet Thickness	Tip Width	Item No.
1	1mm	KL-3S-1.0-1.0
1	1.6mm	KL-3S-1.0-1.6
1	2mm	KL-3S-1.0-2.0
1	3mm	KL-3S-1.0-3.0
Sheet Thickness	Tip Width	Item No.
1.57	1mm	KL-3S-1.57-1.0
1.57	1.6mm	KL-3S-1.57-1.6
1.57	2mm	KL-3S-1.57-2.0
1.57	3mm	KL-3S-1.57-3.0



Sheet Thickness	Item No.
0.8	KL-SP-0.8
1	KL-SP-1.0
1.27	KL-SP-1.27
1.57	KL-SP-1.57

Sheet Thickness	Item No.
0.8	KL-SC-0.8
1	KL-SC-1.0
1.27	KL-SC-1.27
1.57	KL-SC-1.57



Sheet Thickness	Item Number
0.8	KL-V-SC-0.8
1	KL-V-SC-1.0
1.27	KL-V-SC-1.27
1.57	KL-V-SC-1.57

Sheet Thickness	Item Number
0.8	KL-V-3P-0.8
1	KL-V-3P-1.0
1.27	KL-V-3P-1.27
1.57	KL-V-3P-1.57

Sheet Thickness	Item Number
0.8	KL-V-4P-0.8
1	KL-V-4P-1.0
1.27	KL-V-4P-1.27
1.57	KL-V-4P-1.57



Sheet Thickness	Item Number
0.8	KL-V-GR-0.8
1	KL-V-GR-1.0
1.27	KL-V-GR-1.27
1.57	KL-V-GR-1.57

Sheet Thickness	Item Number
0.8	KL-V-GS-0.8
1	KL-V-GS-1.0
1.27	KL-V-GS-1.27
1.57	KL-V-GS-1.57

Sheet Thickness	Item Number
0.8	KL-V-PR-0.8
1	KL-V-PR-1.0
1.27	KL-V-PR-1.27
1.57	KL-V-PR-1.57

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BEMCO Titanium Clips & Cradles



BCS1
Plastic Block Complete with Hex Head Screw



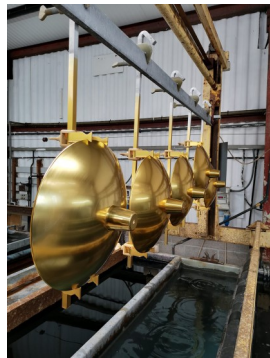
BCS2
Plastic Block Complete with Screw



BCS3
Titanium Block Complete with Screw



BCS1-SW
Replacement Screw



BCS2-SW
Replacement Screw



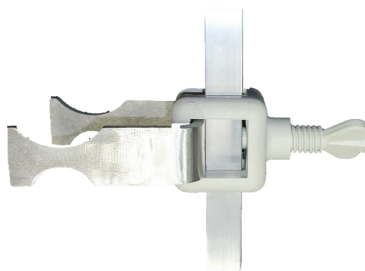
BSC4
Titanium Cradle
3mm Thick Sheet
BSC4—75 75mm Long
BSC4—94 94mm Long



BSC5
Titanium Cradle
3mm Thick Sheet
BSC5—75 75mm Long
BSC5—94 94mm Long



BSC6
Aluminium Cradle
30mm X 6mm Thick
BSC6—75 75mm Long
BSC6—94 94mm Long



Example of **BSC2 / BSC6**

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Bespoke Titanium Jigs

As well as the standard range of Titanium anodising jigs we also offer bespoke jigs created to meet your needs. We make floating jigs, rotating jigs, extending jigs plus many more.



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