

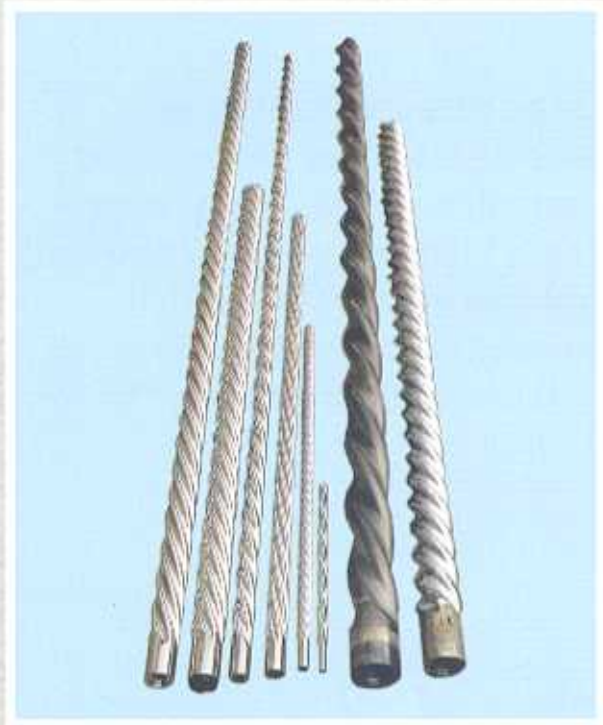


SWINTON ELECTRO-PLATING (LANCS) LTD



OILFIELD EQUIPMENT

TRANSFORM USELESS INTO LIKE NEW!



Our Capacity ranges from the smallest 'tight radius' equipment upto the largest of the 'performance' Mud Motor Rotors available now - and in the future!

A more recent addition to our plant has been the installation of a massive 8500mm deep Hard Chrome Plating facility.



The Company with over 30 years experience in Hard Chrome plating has in recent years developed a refurbishing service, second to none, in Mud Motor Rotor renewal.

The process takes the used 'unusable rotor' and transforms it into a 'like new' component for a fraction of the full replacement cost.

On receipt of the used rotor we will remove the damaged chrome deposit, re-polish the base rotor and re-plate it with a micro crack chrome finish to a hardness of Rockwell 65-70Rc back to its original dimensions then finish to a high polish surface.



Our facilities extend beyond the refurbishment of Mud rotor to other engineered components which are subject to wear and/or corrosive conditions within both the oil and gas production industries.



For the discerning engineer we compliment our Hard Chrome plating plant with a large Electroless Nickel Facility which can deposit nickel, under controlled conditions to a uniform thickness on complex shaped components, giving a highly corrosive resistant finish.

We can offer the ultimate in corrosion and wear resistance by depositing high corrosion electroless nickel as a base corrosion protection followed by a micro crack deposit Hard Chrome, thus this duplex deposit combines the benefits of Hard Wear and corrosion resistance to the recipient component and prolongs its active use.



*SWINTON
ELECTRO
PLATING (LANCS) LTD*



Certificate No. FM 2043

Royal Oak Works, Oak Street, Swinton, Manchester M27 4FL, England
Phone: 0161 794 8426 Fax: 0161 794 0155



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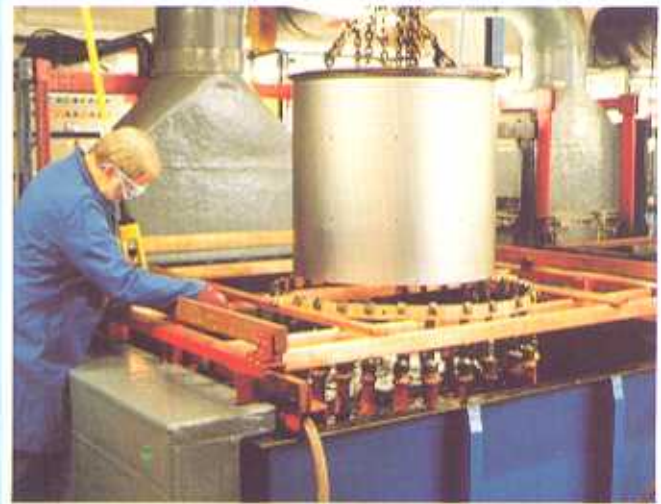
Royal Oak Works, Oak Street, Swinton, Manchester M27 4FL, England
Phone: 0161 794 8426 Fax:0161 794 0155

HARD CHROME PLATE

Dedicated to providing quality surface finishes, our highly efficient Hard Chrome Plating Plant offers facilities for plating components within a size range of, length 8407 mm with diameters up to 914mm and 2000 mm x 2000 mm with lifting capacities up to 5 tonnes. The facility has enabled us to deposit Hard Chrome on components of unusual proportions for numerous industries including Hydraulics, Textile Machinery, Oil and Gas, Paper, Plastic Moulding and Engineering in general.

We have ancillary facilities offering varying pre and post plating finishes which include Grit Blasting and Polishing with both between centres and centreless availability.

The Hard Chrome facility is completed with our Heat Treatment option that can in certain applications improve the life in service of a component, thus producing a more economical end product.





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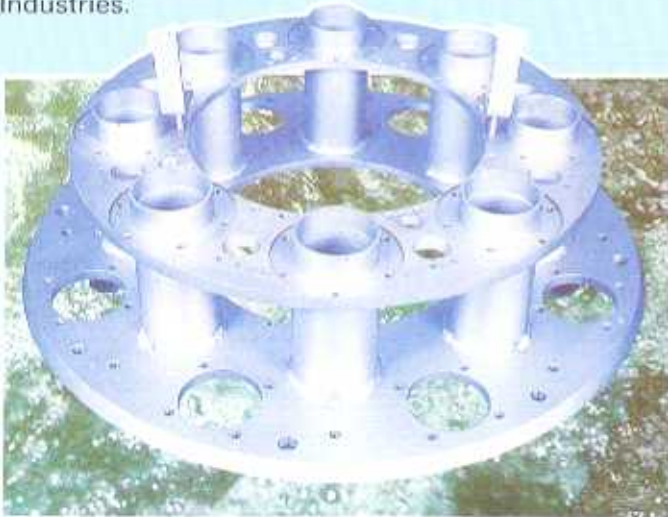
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ELECTROLESS NICKEL

A high phosphorus electroless nickel with outstanding corrosion and wear resistance. It is completely uniform and can be controlled to close tolerances and is therefore ideal for plating complex items such as those with deep recesses or intricate shapes and is used extensively in the Petroleum, Pharmaceutical, Textiles, Electronics and Tool and Dies Industries.



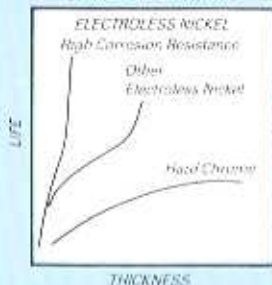
Our plant consists of dual plating stations which have been developed specifically for the deposition of high quality, high corrosion resistant electroless nickel coatings.



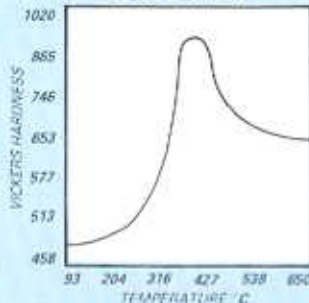
Advantages include, High hardness heat treatable to 1100 VHN. Excellent wear resistance, free from porosity, lamination, cracking and other defects. Completely uniform deposit, reproduces finishes of substrate. Hard coatings for light metals. Easily solderable. Replaces exotic and more expensive materials. Natural lubricity, providing excellent release and anti-galling properties. Self polishing surface for moulding operations. Eliminates after plating grinding and minimizes handling. Selective plating salvages worn or mis-machined parts. Improves equipment operability and reliability. Reduces investment and operating costs.



CORROSION RESISTANCE OF METALLIC COATINGS



HARDNESS AFTER ONE HOUR HEAT TREATMENT





SWINTON ELECTRO – PLATING [LANCS] LTD

SPECIALIST ELECTRO PLATERS: HARD CHROME, ELECTROLESS NICKEL

Registered Office:

ROYAL OAK WORKS, OAK STREET, SWINTON, MANCHESTER M27 4FL

TEL: +44 (0)161-794 8426 FAX: +44(0)161-794 0155

E-MAIL: sales@seplate.demon.co.uk

www.swintonplating.com

IN-HOUSE CYLINDRICAL GRINDING

As part of the on-going development of our business and the diversification philosophy we have adopted within our Surface Engineering operations we have recently commissioned two Cylindrical Grinding machines.

These machines give us the ability to offer a wider range of service to our existing customers - all under one roof.



They also offer the facilities we have to new and different customers who may not have a need for plating services but are looking for a quality machining source.

The fact that we can now provide on-site machining brings the advantage of faster processing times because we have removed the need to transport to sub-contractors.



Capacities available:

800mm diameter x 5000mm long - with Taper Grinding
upto 5 Tonnes.



300mm diameter x 1800mm Universal
upto 500 Kg

To access the full range of service we can offer to you contact our sales team on the number below or via the Internet.



ISO 9001
FM 02043

+44 (0)161 794 8426

Registered in England. No. 723561

DIRECTORS: D.P.SMITH G.EVANS B.GUEST



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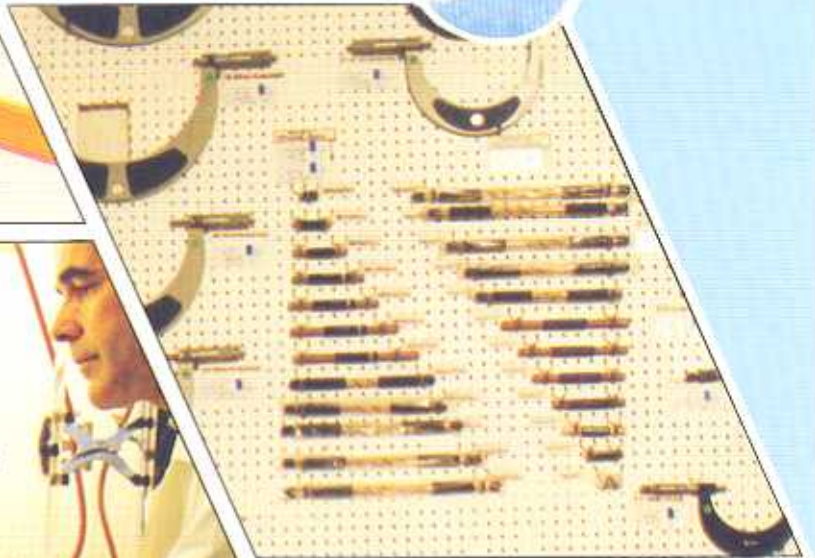
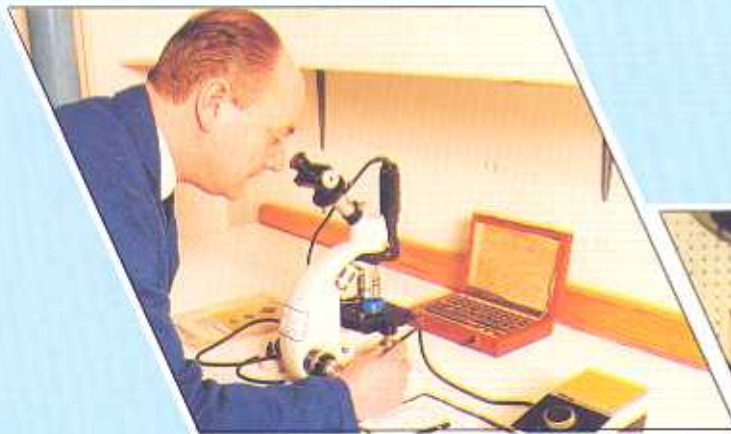
QUALITY CONTROL

Our comprehensive knowledge and years of practical experience are backed by our reputation for high quality and efficient service which is maintained by stringent quality control, in house laboratory facilities and effective production control.

A fully equipped inspection department is an integral part of our organisation with facilities for micro sectioning, eddy-current thickness measurement, micro hardness testing and surface finish measurement.

Close tolerances and specifications are strictly maintained and all parts pass a rigid percentage final inspection prior to despatch.

The Company Quality Systems are certified and approved by British Standard Institute to ISO 9002/EN 29002 Standards.



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**PLATING PROCESS CAPACITIES
 HARD CHROME, ELECTROLESS NICKEL, HEAT TREATMENT**

HARD CHROME PLATING

<u>Vat No.</u>		
1	1524mm dia X 1143mm deep (60" X 45")	<u>5 ton lift</u>
2-8	508mm dia X 1870mm deep (20" X 73")	<u>1 ton lift</u>
10	960mm dia X 8500mm deep (Max area 1100dm ²) (38" X 334") (Max area 17000"²)	<u>5 ton lift</u>
11	845mm dia X 5000mm deep (33 X 192")	<u>5 ton lift</u>
12	845mm dia X 5000mm deep (33" X 192")	<u>5 ton lift</u>
14	990mm dia X 3581mm deep (39" X 141")	<u>3 ton lift</u>
15	1200mm dia X 2200mm deep (48" X 87")	<u>2½ ton lift</u>

CHEMICAL DE-CHROME FACILITY

800mm dia X 8500mm length (32" X 336")	<u>5 ton lift</u>
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ELECTROLESS NICKEL PLATING

<u>No. 1 Line</u> 965mm long X 660mm wide X 2743mm deep (38" X 26" X 108")	<u>2 ton lift</u>
<u>No. 2 Line</u> 1372mm long X 1067mm wide X 1524mm deep (54" X 42" X 60")	<u>2 ton lift</u>

RECOMMENDED MAXIMUM DEPOSITS

ELECTROLESS NICKEL PLATE	.076mm	.003"
HARD CHROME	.635mm	.025"
MIN.TOLERANCE ON PLATING	.013mm	.0005"

HEAVIER DEPOSITS AVAILABLE ON REQUEST

HEAT TREATMENT

<u>OVEN No. 1</u> 813mm wide X 762mm high X 1422mm deep (32"X30"X56")	<u>OVEN No.2</u> 990mm wide X 803mm high X 3797mm deep 39",31",149"
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