

We are exhibiting at:



April 13 – 17, 2015, Hall 3, stand E02

[www.hannovermesse.com](http://www.hannovermesse.com)

## Unique showcase for your redundant plant and machinery

Riley Surface World is inviting companies that have redundant surface finishing plant and machinery to take advantage of the exposure that the Riley showcase at Hannover provides. It is a unique opportunity to display valuable assets before 40,000 visitors from 100 countries at Europe's largest surface technology forum.

## Riley unveils multiple surface finishing plant opportunities at Surface Technology, Hannover 2015.

There are opportunities to acquire complete, used process plants and machinery at a fraction of their new costs. Riley Surface World is able to decommission the plants, relocate them and assist with reconfiguration or refurbishment.

The principle facility for disposal is a Delta GmbH extensive multi-finish electroplating line, formerly used by a high volume costume jewellery manufacturer in Ireland. The plant is offered, together with a large selection of raw and waste water treatment plants and chemical storage facilities. In total, there are over 500 lots to be auctioned in late April 2015. For full details, see pages 2/3.

From South Africa, Riley is handling the sale of another large electroplating facility currently supplying hydraulic components to the automotive industry. For full details, see page 10.



Precious metal electroplating plant, Ireland



Hard chrome plating plant, South Africa

## Auction - Foundry and finishing equipment from Esco Corporation, UK

This major auction follows the closure of the Esco Corporation foundry in Guisborough, UK. The site produced claws and buckets for the construction industry. The disposal includes high temperature ovens and furnaces, shot blast machines and melting/mould making machinery. For full details see pages 6/7.



## Robotic polishing cells and belt grinding machinery from healthcare manufacturer, Ireland.

We are handling the sale of a selection of INTEC and BULA robotic polishing and belt grinding cells with ABB robots from a global manufacturer of healthcare products. These are accompanied by manual polishing and belt grinding machinery.



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**Over 1000 machines in stock and online!**



## Tender Auction! Over 500 lots. Closing 30 April, 2015.

**On the instructions of Innovate Limerick Electroplating and associated equipment from former costume jewellery manufacturer, Andersen Ireland.**

**Viewing date 28 April, 2015 or by special appointment.**

Electroplating process line, transporters, DC rectifiers, water and effluent treatment plants, chemical storage facilities, process chillers, dust and fume extraction plants and much more. Over 500 lots now online. Auction closes 30 April 2015. Location: Rathkeale, near Limerick, Republic of Ireland.

See video:



### Stock no. LIM010

Model: Delta Multi Process Plating Line  
Year of Manufacture: 1995  
Work Envelope (WxDxH): 600 + 1200 + 2400 x 1500 x 880 mm  
Process Stages: 105 active stations  
External Size (WxDxH): 14,600 x 30,000 x 3450 mm  
Description: Suitable for cleaning, phosphating, anodising, zinc and nickel coatings, chrome plating, electrolytic plated coatings and drying processes.



### Stock no. LIM020

Model: Raw Water De Ionisation plant  
Process Stages: 2  
Description: Two PE storage tanks. The plant has the capacity to produce 6m<sup>3</sup>/hr De Ionised water to a quality of 5 &#956; Siemens.



### Stock no. LIM030

Model Batch Waste Water Treatment plant  
Description: The contaminated waste process rinse water and concentrated wastes are collected from the Electrolytic Plating lines by gravity flow along separately collection streams to a series of 1500lit PE sumps underneath the walkway in Line 1.



### Stock no. LIM040

Model Recirculating Water System  
Description: In order to conserve water consumption in the electrolytic plating line, much of the process waste water is recycled through three ion exchange resins and returned back to the line for re use. The waste water is divided into two streams, namely acid/alkali and cyanide recirculating water.



### Stock no. LIM100

Model: Compliance Control System  
Description: The waste water discharge process is regulated by the local Environmental Protection Agency Integrated Pollution Prevention and Control licence which required continual monitoring of pH, temperature and flow rate of the discharge water. The Control System consists of:

- ABB Kent Taylor Circular Chart Recorder for Temperature
- ABB Kent Taylor Circular Chart Recorder for pH
- ISCO 3220 Flow Proportional Sampler



### LIM060

Model: Final filtration and pH control plant  
Description: The final Filtration units have a capacity to process 10m<sup>3</sup> of treated waste water per hour through a double Gravel filter and double selective ion exchange resin in sequence. The resulting water is pH adjusted in 2000 lit PE tank before discharging to domestic sewer water system via a V notch weir tank.



### Stock no. LIM070

Manufacturer: Wheelabrator Walther Trowal  
Model: Waste Water Treatment Plant  
Description: The mechanical surface waste water is collected in 2000 lit holding tank which is distributed sequentially to three PE Treatment Tanks. The capacity of each tank is 12, 500 lit, 12,500lit and 8,000 lit respectively. The treatment process is microprocessor controlled which controls the dosing of treatment chemicals for the dissolving of heavy metals and subsequent precipitation as sludge.



### Stock no. LIM080

Model: Bulk Chemical Storage System  
Description: The Bulk Chemical Storage System consists of three 5,500 lit Double lined PE fully enclosed storage tanks filled from an external filling station controlled with WUMA MC1 type microprocessor for monitoring levels in the Bulk Storage tanks during filling operation.



### Stock no. LIM090

Model: Wuma Effluent Treatment Control System  
Description: The software visualisation monitoring and control system was upgraded in 2005. All the channels from the WUMA MC4 type microprocessors for controlling pH, mV, conductivity, temperature and level feed back to the software process visualisation programme via two Siemens S5 PLCs.



### Stock no. LIM050

Model: Sludge Dewatering Plant  
Description: The treated waste from the Batch Reactors are discharged to 10 000lit PE Sludge Settlement Tank to allow the flocculated sludge to settle where the clear liquid is pumped off to final discharge line via mixed bed ion exchange resin.



**To register and start bidding, visit: <http://www.rileysurfaceworld.co.uk/auctions.asp>**

**For more information or to arrange a viewing, please call Helen Wilkinson on +44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)**



## Stock no. LIM110

Model: Laboratory

Description: The Laboratory consists of:

- Kottermann work benches, storage presses and sink units.
- Kottermann Fume Extraction Hood
- Fire Resistant Chemical Storage Press
- Glassware in Glassware storage presses
- Bench Rectifiers, hotplate/stirrers.
- Perkin Elmer Plasma 400 Inductively Coupled Plasma Spectrometer
- Autosampler.



## Stock no. 10-059

Model: Transporter Wagon for carrying 3 Flight Bars

Description: PLC drive Transporter Wagon with SEW Eurodrive, hoist, drive and spreading motors. The Transporter runs on Polyurethane wheels guided by Stahl Position Encoding System WCS2. The transporter has a load carrying capacity of 250Kgs



## Stock no. 10-072

Manufacturer: Aucos

Model: Master PLC Control Cabinet

Description: The main electrical control panel contains the Siemens S7-400 Programmable Logic Controller, inverters for Transporters and input output terminals for peripherals monitoring. YOM 2006. Comprehensively updated in 2008.



## Stock no. 10-090

Manufacturer: Munk

Model: PSP Variplus 100 A / 6V Rectifier

Description: High efficiency Rectifiers with Power factor up to 99 %, Ripple < 1 ... 3 %, Constant voltage and current control with high control accuracy. Fan speed control,, Integrated EMS filter, Analog interface 0-10V. Other info: Multiple units available



## Stock no. 10-162

Manufacturer: Mefiag

Model: 2500 Series Disk Filter Pump

Description: Polypropylene Construction Unitized Filter Pack with self priming magnetic drive pump. Filter capacity 10m³/hr Filter with Total Filter surface areas of 2.6m for Disk and Paper. Other info: Multiple units available



## Stock no. 10-183

Manufacturer: Serfilco

Model: Granulated Carbon Purification Chamber

Description: PVC construction Refillable granulated carbon chamber for removing organics. Granulated carbon capacity of 3 Kg at a flow rate of 5-22.5lit/min .P

Other info: Multiple units available



## Stock no. 10-203

Manufacturer: ProMinent DosierTechnik

Model: Set of Six Metering/Dosing Pumps

Description: Microprocessor controlled, solenoid driven diaphragm metering pumps for delivering liquids at a rate of 0.5 -15l/hr at a maximum backward pressure of up to 16bar

Other info: Multiple units available.



## Stock no. 10-212

Model: MPC Electrum Palladium Metal Recovery Unit

The unit offers a large recovery capacity, down to 5 or 10 ppm depending on the type of applications (batch, continuous) and the solutions treated (concentrated or diluted). It ensures a high efficiency on all precious metals (gold, silver and palladium).



## 50-001D

Model: Hacker 01-050 Filter Press

The sludge collected in a 5000lit Sludge Holding tank is pumped through a 01-050 Hacker Filter plate and cloth press using a 03-015 Hacker Diaphragm Piston pump. The total chamber volume ranges from 30 to 210 lit of filter cake.



## Stock no. 10-274

Model: Becker SV5 Series Air Blower.

Side channel, double stage, air cooled, blowers supply the air agitation and ventilation/exhaust system air supply to the plating line. The blower has an inlet air capacity of 690/900 m³/hr



## Stock no. 100-001A

Model: Final pH , Temperature and Flow Recorder.



## Stock no. 120-001

Manufacturer: Daikin

Model: EUW10HDZ Chiller and Hydraulic Module

Description: Belongs to the range of compact lightweight air cooled chillers developed by Daikin around closely matched compressor/refrigerant combinations optimized for use with ozone friendly R-407C refrigerants.



## 120-006

Model: Wilden Diaphragm Pump. Diecast aluminium double diaphragm pneumatically operated pump. For casting waste slurry.

Work area: 440x540x760mm with fittings



**Just a small sample of over 500 lots available.**

To register and start bidding, visit: <http://www.rileysurfaceworld.co.uk/auctions.asp>

For more information or to arrange a viewing, please call Helen Wilkinson on +44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)

## DIRECT FROM SITE CLEARANCE

### BULA and INTEC robotic polishing and belt grinding cells.

Available from large international manufacturer of healthcare products and related services, due to restructuring.

Items available include: - BULA MR 250.5 and INTEC polishing and belt grinding cells with ABB Robots. Also a selection of Loeser and Ciclope polishing, finishing and grinding machinery.

Equipment located at Rathkeale, Nr. Limerick, Ireland.

All items available until 28/05/2015 while stocks last.

#### Stock No: PT1029

Manufacturer: INTEC/ABB

Model: Polishing Cell

YOM: 2005

Serial: 1020

Process Application:  
Deburring and polishing of  
profiled work

Other Info: Mating belt  
grinding also available

Normal Retail Price:

£120,000.00 + VAT

**Site Clearance Price:**

**£48,000.00 + VAT**

See video:



ABB Robot



Polishing Station



#### Stock No: PT1032

Manufacturer: BULA/ABB

Model: MR 250.5 4 head belt grinding cell

YOM: 2001

Serial: 250.5-115-1057-02

R.P.M: Variable speed

Hp/Kw: 4

Normal Retail Price:

£40,000.00 + VAT

**Site Clearance Price:**

**£16,000.00 + VAT**



ABB Robot



Belt grinding station



#### Stock No: PT1030

Manufacturer: INTEC/ABB

Model: 4 Station belt grinder

YOM: 2006

Serial: 0123

R.P.M: Variable Speed

Normal Retail Price:

£120,000.00 + VAT

**Site Clearance Price:**

**£48,000.00 + VAT**



ABB Robot



Belt grinding  
contact wheels



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## Stock No: PT1034

Manufacturer: BULA/ABB  
Model: MR 250.5.02/04 Polishing cell  
YOM: 2001  
Serial: MR 250.5.2-109-1040-01  
R.P.M: Variable speed  
Hp/Kw: 4

Normal Retail Price: £60,000.00 + VAT

**Site Clearance Price: £24,000.00 + VAT**



Control Panel Internal



General View Internal



## Stock No: PT1039

### Loeser KS360 Universal Variable Speed Belt Grinder

Model: KS360  
YOM: 2003  
Serial: 9225/3  
R.P.M: 7.5 - 34 mtr./sec. belt speed  
Hp/Kw: 3 // 2.2  
Other Info: Upgraded and modified belt grinder

*This item has been moved to our warehouse for convenience of sale*

**Refurbished Price: £4,950.00 + VAT**



## Stock No: PT1037

### Ciclope Twin Headed Belt Grinding Station

Model: SSD 250/2-Mv  
YOM: 2005  
Serial: 14613  
R.P.M: 600 to 3600  
Hp/Kw: 2 + 2 // 1.5 + 1.5  
Other Info: High specification, high speed polisher

*This item has been moved to our warehouse for convenience of sale*

**Refurbished Price: £5,950.00 + VAT**



For more information or to arrange a viewing, please call Helen Wilkinson on +44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)





# MAJOR ON-LINE AUCTION SALE

Unique opportunity to purchase high quality foundry equipment  
formerly used by Esco (UK) Ltd.

VIEWING: **TUESDAY 14th APRIL 2015 - by appointment only**  
At: Esco Works, Rectory Lane, Guisborough, Cleveland, TS14 7DL, England.

AUCTION DATE: **THURSDAY 16TH APRIL 2015**



## FOUNDRY Core / Shot

Laempe L20 automatic core shooter, s/n 1572 with Laempe SM-3 core sand mixer (2005), gas generator, hopper & hydraulic power pack (1998)

Laempe LKFZ120 automatic core moulding production centre with 1 ton integrated handling beam, Laempe SM6 9/2 core sand mixer, Laempe L6 1.5" gas generator, hopper & hydraulic power pack, desiccant dryer (1997)

Tilghman Wheelabrator WTB 28 tumble blast machine, twin wheel, 1000mm drum dia x 1200mm drum length with control, shot recovery system, extraction & load / unload station

Doug Booth HP- EU80-TW tumble blast machine, twin wheel, 1600mm slat width, with control, shot recovery system, extraction & load / unload station (refurbished 2008)

Tilghman Wheelabrator LE/M3/1500 hook blast machine, 1500mm dia x 2200mm high approx working envelope with overhead loading gantry & Stahl electric chain hoist, shot recovery, s/n 809-4156

Doug Booth supplied hook blast machine with overhead loading gantry & Stahl electric chain hoist, shot recovery



## Melt / Furnaces

Fuchs 3 ton electric arc furnace, 90" bowl, hydraulic lift & swing lid, mechanical body tilt / pour with Metropolitan Vickers 3500kva transformer, controls, CO2 fire suppression system etc

## (refurbished 1997 & PLC upgrade 2006)

2x Saflame gas fired ladle pre heaters, 1300degC max temperature with control

7x Roper geared crane ladles, 44" dia, bottom pour

2x furnace scrap charging buckets with crane lift bale, petal opening, 1400mm O/D x 1400mm high approx

2x Chatburn Chantry (Furnace Spares Maintenance) F9342 high temperature batch ovens, 205-625degC operating temperature, 760degC max temperature, 1372x2590x660mm high approx ID (1997)

5x Chatburn Chantry (Furnace Spares Maintenance) F9500 gas fired high temperature batch furnace, 1200degC max temperature, 1900x3100x1200mm approx ID (3x 1997, 1x 2005 & 1x 2010)

Chatburn Chantry gas fired core drying tunnel oven, 150degC max temperature, chain loading system (1997)

Furnace Spares Maintenance furnace loader / heat treat charger, 5 ton approx. max. capacity, triple fork, turntable

Quenching tank with overhead gantry, electric chain hoist, cooling pumps, BAC quench cooling tower etc

## Sand Plant / Mould Handling

Sand Plant comprising FTL tip loader to 1950x1350mm approx shakeout deck, OMEGA attrition unit (2014), blower, Richards cooler classifier, blower to 3 sand hoppers, controls, extraction unit etc (2003)

BAC TXV 135 sand reclaim cooling tower, twin 7.5 kW air blast fans, 40degC to 25degC cooling (2003)

FTL stack mould handling system complete with mould pouring, storage & cooling conveyor system with 14 conveyor lines 14,500mm long each x 800 mm wide approx. 12 pallets per line, 813x813mm pallet size, 55 slabs per hour moulding rate, loading station, 2 transfer cars, pallet lift, jacket lift & tip over unit.

## Extraction / Filtration / Sundry Equipment

Luhr DWF 3.0/7.5/2.3/68/98 dust collection plant, full PLC monitoring, 56,000 CFM (1997 - refurbished 2006)

BMD Garant FS722 / 5.00 / 700 furnace extractor, 60,000 CFM, s/n 502456 (1998)

Rotary dust extraction unit. Reverse pulse dust extraction unit.

Marley MDG26-1-9-12D cooling tower, s/n KD70081 (1997)

AB Dust Control Ltd. vertical packed tower acid scrubber, 6000CFM, 18.5kW centrifugal fan, 1.5kW neutralising pump (1997)

FTL sand distribution hopper, 2800mm dia x 5500mm high with blower, control & low sand level alarm (2006)

Ronan XSD-1000 Auto Start radiation detection system with monitor panel, 315kBq check source (1990)

## MACHINE TOOLS

Archdale 1100mm radial arm drill, 40-2000rpm, Jet brake, 870x600mm table







Herbert twin spindle drill, 36x16" RF table, powerfeed, 106-2850rpm  
 RJH Bandfacer 100mm wide horizontal belt finisher (1999). Excel double ended grinder. 2x 12" disc sanders.  
 Fintec 75mm wide vertical belt finishers, 1 with extraction (1997 & 2006)  
 2x Fintec 521 70mm wide belt finishers, 2x Morrisflex Cougar CG1-7P 100mm wide finisher with Mardon MS100 extraction unit, 3HP. 3x RJH Cougar 100mm wide finisher with Mardon MS100 extraction unit, 3HP  
 Promach UE-330SA 13" metal horizontal bandsaw, 82-270FPM (2009)  
 Battipav Elite 80 concrete table saw, 2000W (2012)  
 Makita 2414B pull down saw, 110v. Makita 2414NB pull down saw on bench  
 Brown & Sharpe 1024VSL centre lathe, 5" CH x 24" b.c., 40-2500rpm with hydraulic copy attachment

#### INSPECTION / LABORATORY / NDT

Brown & Sharpe MXCEL 7-6-5DCC CMM, 950x840mm granite bed, 900mm b.c., Renishaw PH10M probe (1998)  
 ARL Model 3460 Spectrometer. 950x850mm granite surface plate on base  
 KF MAB09 hardness tester. Ridsdale 50mm long swing impact tester. Endecotts 1mk1.1 test sieve shaker with Qty sieves. Magnaflux crack detector in enclosure with UV lights, control panel etc

#### FACTORY PLANT / LIFTING

Worthington Creysensac RLR150V7 compressor, 110kW, 9.5 bar, 2980rpm (2011)  
 CompAir L160-7.5A compressor, 160kW, 1500rpm, 28.4m3/min, 7.5 bar, Delcos 3100 control (2007)

CompAir L75SR compressor, 87.6kW, 9.51-12.2m3/min, 750-4800rpm, 13 bar (2001)  
 CompAir Broomwade 6020E07A compressor, 16.6kW, 7bar, 2.32m3/min (1994)  
 Ingersol Rand SSR M18.5 compressor, 18.5kW, 8.5 bar, 15502hrs  
 ERP compressor on 100ltr air receiver. Ingersoll-Rand RS-32 air dryer, 16 bar (1996). Hankison air dryer (2003)  
 CompAir SmartAir system controller. Hi-Line Industries HPS950 twin tank air dryers, 10 bar with control panel  
 3x Reservoirs X Pauchard 2000ltr floor standing air receivers (2007)  
 Winder Electrical 3500kva transformer, 11200v HV / 220v LV (refurbished 2006). 1400kva transformer  
 5x Demag & Morris 10 ton / 20 ton overhead cranes, 15m approx span, pendant / remote controls (1x crab upgrade 2008)  
 Qty various flour mounted & girder mounted swing jibs with electric chain hoists, pendant control to 2 ton (to 2005)  
 Demag overhead gantry, 4m span x 10m runway, 630kg SWL, Stahl electric chain hoist, pendant control  
 Demag floor mounted type overhead gantry with Demag electric chain hoists (dismantled)  
 2x Linde H25D01 & H20D01 diesel fork lift trucks, triple mast, side shift, hydraulic fork width adjustment (2012)

#### MISCELLANEOUS

Tennant 6400 ride on floor sweeper, 4.6kW with charger (1997)  
 Clarke StrongArm AHP25 garage press, 25ton capacity, 650mm b.c., adjustable height (2008)  
 Ridgid 300 pipe threader, 110v, 1500W. BOC oxyacetylene profile cutter. Rockweld oil filled welder, 250A

2400x1200mm steel welding table with Record No25 bench vice. 2x 3600x1000mm paint dip tanks. Qty Rhino YWF4E-500 industrial fans. Alpheus Miniblast SDI-5 dry ice blast cabinet (1997)  
 Josef Kihlberg BT foot operated stapler. Qty various manual pallet trucks. Wagetechnik Tipgrip 2 ton electric crane scales. Salter Weigh-Tronix WI-125 digital platform scales. Avery Berkel L116 digital scales.  
 2x Igranic etc electric crane magnet, 1150mm dia. Qty various wooden railway sleepers  
 Tecmix TM1100 mixer, angle grinders, torque wrenches etc. Qty various Dexion Speedlock heavy duty boltless pallet racking, multishelf. Qty various 600mm wide roller conveyor. 3 phase industrial Hoover  
 Larzep hydraulic power pack, 2.2kW. Manual metal strap bander.  
 Qty various metal tipping skips, metal storage bin etc to 1600x1500x650mm  
 2x Mardon Engineering MS100 dust extraction units, 3HP. Qty various 2700x1700mm stove trays  
 MIM 063-13 twin pump vacuum system, 15Psi VAC. Qty various ABB, SEW, Rossi etc motors / gearboxes to 37kW  
 Qty various single / multicore / 3 phase / SWA etc cables. Invicta Vibrators 6.2kW vibratory motor, 960rpm  
 Fenner 160kW inverter drive unit, variable speed, Thyristor control (unused). Qty maintenance spares inc: FAG, SNR, BSL, Renolds etc bearings, Vee belts, chains & sprockets, rotary valves, probes, sensors, actuators, nuts, bolts, gearboxes etc. Qty various steel bar stock inc: round, bar, plate etc  
 Qty office furniture inc: light oak desks, book cases, meeting tables, partition screens, upholstered chairs etc



MORE EQUIPMENT STILL BEING LOTTED - CONTACT THE AUCTIONEERS FOR FURTHER INFORMATION

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In association with Riley Surface World



[www.ppauctions.com](http://www.ppauctions.com)





## DIRECT FROM SITE CLEARANCE

**Asmega SPA automated rack electroplating line.**  
Available due to restructuring of manufacturing facilities.

The equipment has been moved for convenience of sale to first tier electrochemical plant and equipment original manufacturer Jacquet Weston Engineering.

See video  
of plant in  
operation!



### Stock No: TS015J

Manufacturer: Asmega SPA  
Model: 27 Station Automated Rack Plating Line  
YOM: 2006  
Work Envelope (W x D x H):  
4130 x 960 x 2000 mm  
Process Stages:  
27 (29 stations available in the line)  
Location: Membury, Berkshire, UK  
External Dimensions:  
Overall footprint: 49m x 11.6m  
Process Stages:  
27 (29 stations available in the line)

Normal Retail Price: £296,000.00 + VAT  
**Site Clearance Price: £166,000.00 + VAT**  
Clearance ends:  
28 May 2015 while stocks last

A little used Asmega SPA Automated Rack Plating Line built in 2007 and only used over an 8 month period.

Currently configured to run 17 flight bars automatically using 3 auto transporters for zinc plating but could be reconfigured for use with other plating processes

Used in the metal finishing industry to carry components in racks or barrels through a number of tanks by means of PLC operated transporter system.

The advantages are: fewer operators, better process and production control, improved solution maintenance, efficient fume extraction and ventilation.

The Asmega SPA plating and metal finishing plant includes process tanks and ancillaries, flight bars, materials handling systems, SCADA WinCC version 6.0 Siemens PLC automation, centralised control panel, fume exhaust system, solution air agitation, in-tank coil heating system and service line connections.

### General specification:

Tanks: 18 (including 5 x double stations)  
Transporters: 3  
Bars: 17  
Barrels: 0  
Tank dimensions:  
Tank Length: 4130mm  
Tank Depth: 2000 mm  
Tank Width: 950-1425-1900 mm  
Tank material: Polypropylene and stainless steel  
Work envelope (HxWxL): 1600 x 600 x 4130 mm  
Machine cycle time: 270 seconds per flight bar  
Process Stages: 23

### The plant is suitable for adaptation to:

- Electroplating
- Electrolytic and Electroless Plating
- Phosphating
- Anodising
- Electrophoretic Coating
- Electropolishing
- Chromating
- Cleaning
- Pickling



Overhead view of rack plating line



View showing elevated walkway



Computerised process control station



Plant graphic display

For more information or to arrange a viewing, please call Helen Wilkinson on +44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)



## DIRECT FROM SITE CLEARANCE

On the instructions of Northpoint Limited, Manchester, UK. Specialists in colour coatings for bakeware, pipes and fencing. A selection of high quality, well maintained equipment available due to restructuring of production facilities.



### Stock No: OU1476S

#### JLS (Redditch Ltd) flat bed high temperature 550°C conveyor oven

This heavy duty industrial JLS 3 zone gas heated tunnel oven operates from 150°C up to a maximum temperature of 550°C and has been previously used for the curing of non-stick coatings on bakeware and the thermal degrading of coatings on used bakeware ready for re-coating.

Model: 3 Zone Conveyor Type Curing Oven

Internal Size (WxDxH mm): 1250 wide x 400 (600 possible) high

Max Temp: 550°C

Other Info: Originally used for PTFE bakeware curing

Location: Dukinfield, Manchester, UK

Normal Retail Price: £65,000.00 + VAT

**Site Clearance Price: £45,000.00 + VAT**

See video:



### Stock No: OU1472

#### Pollution Control Products PTR 92 Jig Strip Furnace

A fully automatically controlled pyrolysis gas fired industrial cleaning and stripping furnace that is designed to remove cured organic coatings from metal parts, jigs, fixtures, hanging trees, hangers, or component parts etc.



Model: PTR 92

Serial: 1245

Internal Size (WxDxH mm): 1300 x 1850 x 2600

Max temp: 430°C

Other Info: For paint and coatings removal

Location: Dukinfield, Manchester

Weight (kgs): 1750 approx

External Dimensions (WxDxH mm):

1750 x 2950 x 2200

Normal Retail Price: £14,500.00 + VAT

**Site Clearance Price: £8,950.00 + VAT**



### Stock No: TU131

#### Jacquet Weston Engineering 6 station Basket Pre-treatments Line

A modern, immersion pre-treatments line with monorail transporter system, including degrease, de-rust, phosphate, DM rinse and drying.

Manufacturer: Jacquet Weston Engineering

Model: Immersion Pretreatment Line, Monorail Transport

Work Envelope (WxDxH mm): 690 x 4100 x 1500

Process Stages: 6 stages with drying

Normal Retail Price: £15,000.00 + VAT

**Site Clearance Price: £8,500.00 + VAT**

### Stock No: SU672

#### Wheelabrator MK 900 Y Hanger Blast Machine

Cabinet Style Spinner Hanger machine with a single hook loading system and a low, part loading threshold height. Accommodates pieces up to 900 wide x 1500mm high.

Manufacturer: Wheelabrator

Model: MS 900 Y

Work Envelope (WxDxH mm):

900 wide x 1500 mm high

Work Handling Method: Manual load auto blast

Normal Retail Price:

£28,500.00 + VAT

**Site Clearance**

**Price:**

**£17,500.00 + VAT**





## DIRECT FROM SITE CLEARANCE

Hard chrome plating, pre and post-treatment centreless grinding and super finishing plants and equipment. Cape Town, South Africa.

Currently used for the surface treatment, hard chrome plating and value add to shock absorber rods for the automotive industry. Could be re-configured for other product finishing applications.



### Plant overview:

#### Pre-treatment line including:

- Trumpf Huttlinger induction hardener
- Straightening
- Cincinnati Milacron & Bronx Centreless grinders
- Finishing
- Super filtration

#### 2 x independent hard chrome plating lines for small and large rods comprising:

##### Small rod line

Description	Dimensions, L x W x D
3 x Jigging Stations	Purpose built jigs are designed to take up to 4 rows of Rods at 12 per row
Hot Soak Cleaner	2m x 0.56m x 1.5m
ElectroCleaner + rectifier	2m x 0.52m x 1.5m
Dual Counterflow Rinse	2m x 0.58m x 1.5m [x 2 units]
Service Tank. 4 individual pumps circulating plating solution from common reservoir to each plating tank	1.1 m x 2.1 m x 1.5 m (3000 Litres nominal)
4 x Chrome Plating Tanks + rectifiers	2m x 0.75m x 1.5m [2000 Lt nominal]
Chrome Drag Out Tank	2m x 0.55m x 1.5m
Single Rinse	2m x 0.5m x 1.5m
Spray Rinse	2m x 0.6m x 1.5m
Hot Rinse	2m x 0.5m x 1.5m

##### Large rod line

Description	Dimensions, L x W x D
Hot Soak Cleaner	2m x 0.56m x 1.5m
ElectroCleaner + rectifier	2m x 0.52m x 1.5m
Dual Counterflow Rinse	2m x 0.58m x 1.5m [x 2 units]
Electrolytic Etch Tank + rectifier	2m x 0.75m x 1.5m [2000 Lt nominal]
Dual Counterflow Rinse	2m x 0.58m x 1.5m [x 2 units]
Service Tank. 4 individual pumps circulating plating solution from common reservoir to each plating tank	1.1 m x 2.1 m x 1.5 m (3000 Litres nominal)
3 x Chrome Plating Tanks + rectifiers	2m x 0.75m x 1.5m [2000 Lt nominal]
Chrome Drag Out Tank	2m x 0.55m x 1.5m
Large de-embrittlement oven	TBA

#### Post treatment line

- Theilenhaus Microfinish Super Finisher
- Cork Wheel polishing machines

For more information or to arrange a viewing, please call Helen Wilkinson on +44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)



## DIRECT FROM SITE CLEARANCE

**On behalf of ESR Technology (European Space Tribology Laboratory). Site clearance of a 185 m<sup>2</sup> high quality clean room. Now available due to relocation to new premises.**

This highly specified and equipped Troax Lee Excalibur class 10,000 (ISO 14644-1, class 7) cleanroom is a self-supporting, positive pressure environmental control installation. It is built with a structural support framework offering additional mezzanine floor roof access.

### Stock No: TT100S

Model: Clean Room

YOM: 2005/6

Work Envelope: Main room 180.5m<sup>2</sup>

Process Stages: Environmentally controlled temp and rh

Other Info: Including additional add on rooms

Location: Our Central Warehouse, Aldridge, UK

Originally supplied at an installation cost of over £800,000.

Available from mid July 2015 with a latest removal date of Sept 2015



*To make an appointment to view or to discuss the price, please call Helen Wilkinson on + 44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)*



Room overview



Air Conditioning Units

## ABB Robots

**Excellent Opportunity to acquire ABB Robots located here in our warehouse - 2 complete cells available.**

- ABB - Type IRB 1400 & 6400 6 & M97A Six Axis Robotic Processing Cell
- Hand Held Teach Pendant
- Main Control Cabinet
- Mitsubishi E-900 HMI Control Panel

Original dismantling moving and transportation completed by a recognized ABB service support company of the highest possible quality.

### Stock No: MS364S

Manufacturer: ABB

Model: ABB IRB MIG Welding Robots - Types 1400 & 6400

YOM: 2006. Refurbished 2010

Process Application: Robotic MIG Welding

Other Info: 2 Cells available from stock

Location: Our central warehouse, Aldridge, West Midlands, UK

Normal Retail Price: £62,000.00 per cell + VAT

**Site Clearance Price: £25,000.00 + VAT per cell**



ABB IRB 1400 MIG Welding Robot



Welding Cell - Control Unit

For more information or to arrange a viewing, please call Helen Wilkinson on +44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)



## DIRECT FROM SITE CLEARANCE

**Delta-industrietechnik GmbH acid copper electroplating line. Available due to reorganisation of musical accessories manufacturer, Nova Scotia, Canada.**

Plants from DELTA Industrietechnik are used within the automotive, jewellery, optical, aircraft, aerospace and in the printed circuit board industries and are applied to the production and refinement of a variety of products for the industrial and consumer-goods sector.

The processes applied in these types of plants may include: cleaning, phosphating, anodising, zinc, nickel, coatings, chrome plating, electrolytic plated coatings and drying processes.

### System overview:

The system consists of the three sizes of modular tank consisting of 600l, 1250l, and 2500l tanks. The 600 litre tanks are predominantly used for the non-electrolytic processes, dragout and rinse stations. The larger tanks being used for the electrolytic stations with either 3 for 6 flight bars in operation at any one time.

The innovative design of the transporter system carries three flight bars at a time and uses a horizontal positioning system to close the centre line distance of the flight bars to 150 mm for the tanks without anodic and cathodic connections and bringing them outwards to 380 mm whilst in the electrolytic stages. This gives an operational maximum component / envelope size of 1300 x 300 x 800 mm per flight bar.

### Stock No: TT078SJ

Work Envelope: 600 + 1200 + 2400 x 1500 x 880mm Working

Process Stages: 44 stations, 37 wet process tanks

External size: 6,200 x 17,000 x 3,450 mm

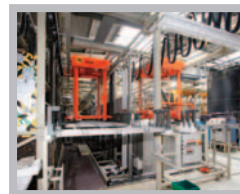
Location: Nova Scotia, Canada

See video:



Normal Retail Price: £225,000.00 + VAT

**Site Clearance Price: £80,000.00 + VAT**



Load Unload Stations



2500 litres Plating Station

## DIRECT FROM SITE CLEARANCE

**Site clearance of vibratory finishing and shot blasting machinery, Southern Sweden.**



### VT1065S

**Rösler R 600/4500 FB/S Continuous Vibratory Linear Bowl – YOM 2001**

Model: R 600/4500 FB/S

YOM: 2001

Type: Linear continuous vibratory finishing

External Dimensions (WxDxH): 7500 x 5000 x 5000 mm

Other Info: Hard to find mass finishing system

Location: Southern Sweden

Normal Retail Price: £57,500.00 + VAT

**Site Clearance Price: £29,500.00 + VAT**



### ST656S

**IMF Carlo Banfi GM9 x 14 3 x 1M-10-EV Hook Spinner – YOM 2009**

Model: GM9 x 14 3 x 1M-10-EV

YOM: 2009

Work Envelope: Ø900 x 1400 mm

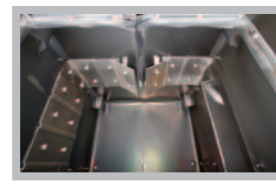
Work Handling Method: Manual load auto blast

Other Info: Dismantled & ready to move, loading FOC

Location: Southern Sweden

Normal Retail Price: £45,000.00 + VAT

**Site Clearance Price: £24,500.00 + VAT**



For more information or to arrange a viewing, please call Helen Wilkinson on +44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)



## DIRECT FROM SITE CLEARANCE

**Direct site clearance from well-established international manufacturing organisation. Leeds, UK. Polaron Cortina 0-60V 0-7000A Thyristor Controlled Rectifiers**

Cortina specialise in the manufacture of Variable voltage and current thyristor controlled rectifiers, for anodising, welding and plating applications.

The Polaron Cortina is a primary SCR, single copper wound transformer, DC power supply that was originally employed for a plating/brightening anodising application.

The Polaron Cortina rectifiers SCR diodes are water cooled allowing it to be used in warmer climates compared to the more traditional UK air cooled units.

**Stock No: RU704**

Manufacturer: Cortina

Model: Polaron Cortina

Voltage: 0-60

Amps: 0-7000

Other Info: Three sets available

Normal Retail Price:

£24,950.00 + VAT

**Site Clearance Price:**

**£14,950.00 + VAT**

Cortina Rectifier Controls



For more information or to arrange a viewing, please call Helen Wilkinson on +44 (0)1922 749284 or email: [helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)

## Use Riley Surface World to deliver value for your redundant plant & machinery

Riley Surface World wants to buy your redundant surface finishing plant and machinery. We will make an offer for any equipment that is of good quality and fits into our main product categories.

We receive daily requests for surface finishing plant and machinery.

If you would like to SELL the equipment, please complete the simple form on our website:

[www.rileysurfaceworld.co.uk/sellyourmachine](http://www.rileysurfaceworld.co.uk/sellyourmachine).

### Part Exchange your machine!

If you would like to PART EXCHANGE your machine for one from our stocks, you can also do this by completing the part exchange section on our online form.

### Complete plants and factory contents

We can also complete the disposal of a complete surface finishing plant, including all ancillary machinery

This can be done by a time-sensitive, direct from site clearance or an online auction. Either way, we have the capability to market your valuable assets worldwide.

De-commissioning of surface finishing plants

We can undertake the complete de-commissioning of your surface treatment facilities. This is a highly specialised service that is exclusive to Riley Surface World.

We work closely with the Environment Agency in the UK in order to comply with the terms of the PPE license for the disposal of hazardous chemicals and substances.

We employ experienced de-commissioning consultants with unique expertise in surface finishing processes and procedures.

For full details about our asset realisation services, call Helen Wilkinson on +44 (0)1922 749284 or email:

[helen@rileysurfaceworld.co.uk](mailto:helen@rileysurfaceworld.co.uk)



## SPECIAL OFFERS now online with huge savings!

Our website now features over 100 special offers with discounts of up to 70% on selected machines. You can now pay for these machines online with your credit card securely using the power of [sage pay](#).

**These offers are only available until May 21, 2015.**

All prices are **SOLD AS SEEN**, check our website for Run & Checked and Refurbished prices.

### Stock no. CP229

#### Delonghi FE/SRAT/SL 0802

##### Power Master Chiller

Manufacturer: Delonghi  
Model: FE/SRAT/SL 0802  
Year of Manufacture: 1998  
Serial: A096682006  
Ave. cooling capacity: 200 kW  
Other Info: 6 Step capacity.  
Refurbished price: £12,750.00 + VAT  
**Special offer price: £5,100.00 + VAT**



### Stock no. DP805

#### Proceco Typhoon AWW Wheel Wash/Stripping Plant

Manufacturer: Proceco  
Model: AWW 32-E-150-2-BO  
Year of Manufacture: 2007  
Serial: 06-401  
Work Envelope: 810 Ø x 510 mm H  
Process Stages: 2  
Other Info: High spec' wheel washer cost over £100k  
Refurbished price: £22,500.00 + VAT  
**Special offer price: £9000.00 + VAT**



### Stock no. DP867

#### Lancer 14UP Dryer Unit

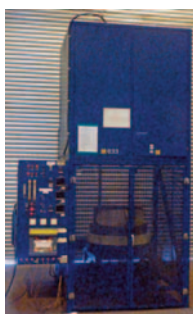
Manufacturer: Lancer  
Model: UP14  
Work Envelope (WxDxH mm): 520 x 520 x 520  
Process Stages: 1  
Refurbished price: £1750.00 + VAT  
**Special offer price: £700.00 + VAT**



### Stock no. OP989

#### Lenton Furnaces Drop Bottom Furnace

Manufacturer: Lenton Furnaces  
Model: Gas tight elevator hearth furnace  
Year of Manufacture: 1999  
Serial: 5890  
Internal Size: Ø500 x 500 mm H  
Max Temp: 1100°C  
Other Info: Gas atmosphere furnace  
Refurbished price: £9,850.00 + VAT  
**Special offer price: £3,940.00 + VAT**



### Stock no. TT094SA

#### Progal AB Effluent waste water treatment plant

Manufacturer: Progal  
Model: Effluent waste water treatments plant  
Process Stages: Multi tank installation  
Other Info: Effluent treatments with PH adjustment  
External Dimensions: 13.150 x 4.500 mtr (L x W)  
Refurbished price: £35,000.00 + VAT  
**Special offer price: £12,500.00 + VAT**



### Stock no. VP798

#### FM40 Vibratory Bowl

Model: FM40  
Year of Manufacture: 1997  
Serial: 4115  
Capacity: 1000ltr/403ft  
Type: Flat process bowl  
Refurbished price: £5,950.00 + VAT  
**Special offer price: £2,380.00 + VAT**



### Stock no. VN587

#### Rotofinish Tumbling Barrel machine

Manufacturer: Rotofinish  
Capacity: Approx 6 ft3 (0.17 m3)  
Type: Horizontal Tumble Barrel  
Refurbished price: £2,250.00 + VAT  
**Special offer price: £900.00 + VAT**



### Stock no. OP942

#### Robins Scientific 404 Rotating Oven

Manufacturer: Robins Scientific  
Model: Model 404  
Serial: AFC40049  
Internal Size (WxDxH mm): 350 x 350 x 350  
Max Temp: 100°C  
Other Info: Can be used with CO2  
Refurbished price: £1,150.00 + VAT  
**Special offer price: £460.00 + VAT**



### Stock no. SN312

#### Rosler Continuous Working Loop Belt Blasting Machine

Manufacturer: Rösler  
Model: SBI 1200-S10  
Year of Manufacture: 2004  
Serial: 30508/03  
Work Envelope: 2500 to 4500 cm3 work piece volume  
Work Handling Method: Auto through feed and loop belt  
Other Info: Equipped with 10 injector blast guns  
Refurbished price: £15,500.00 + VAT  
**Special offer price: £6,200.00 + VAT**



### Stock no. SJ129

#### Clemco 600 LD Suction Venturi Shotblast Cabinet

Manufacturer: Clemco  
Model: 600 LD  
Serial: 00192  
Work Envelope (WxDxH mm): 800 x 620 x 600  
Work Handling Method: Manual  
Other Info: Entry style blast cabinet  
Refurbished price: £1,200.00 + VAT  
**Special offer price: £480.00 + VAT**





**Stock no. SP377**

**Hunziker SBS 1200 Continuous Parts De-Flasher**

Manufacturer: Hunziker  
Model: SBS 1200  
Serial: 83125  
Work Envelope: 100 mm<sup>3</sup>  
Work Handling Method: Semi auto  
Refurbished price: £12,500.00 + VAT

**Special offer price: £5,000.00 + VAT**



**Stock no. MP761**

**Applied Ionics RO Plant**

Manufacturer: Applied Ionics  
Model: XL 500  
Process Stages: Multi  
Other Info: High quality  
Refurbished price: £9750.00 + VAT

**Special offer price: £3,900.00 + VAT**



**Stock no. ON787**

**BTU T43-3-54 conveyor furnace**

Manufacturer: BTU  
Model: T43-3-54  
Internal Size: 75mm  
Max Temp: 1150°C  
Refurbished price: £9,500.00 + VAT

**Special offer price: £3,800.00 + VAT**

**Stock no. EP910**

**Carter Environmental Twin Chamber Oil and Mist Eliminator**

Manufacturer: Carter Environmental  
Model: Pacific Oil Mist 16  
Year of Manufacture: 1996  
Serial: MID 95184  
Approx Duty CFM / M<sup>3</sup>/Hr: 10,000 - 17,000

Other Info: Centralised Extraction System

Refurbished price: £3,250.00 + VAT

**Special offer price: £1,300.00 + VAT**



**Stock no. ON804**

**JLS (Redditch) Ltd Industrial Oven**

Manufacturer: JLS (Redditch) Ltd  
Model: 3903  
Year of Manufacture: 2000  
Serial: 00/4684  
Internal Size (WxDxH mm): 4 x 2550x700x1000  
Max Temp: 150 °C

Refurbished price: £8,500.00 + VAT

**Special offer price: £2,900.00 + VAT**



**Stock no. T332P**

**Allibert Black poly 16100ltr Storage tank**

Manufacturer: Allibert  
Model: 16100ltr  
Work Envelope: 3m W x 3.8 m H  
Refurbished price: £2,400.00 + VAT

**Special offer price: £1,200.00 + VAT**



**Stock no. PL586**

**Seeco Wet Belt Linisher**

Manufacturer: Seeco  
Other Info: Pedestal mounted  
Refurbished price: £1,250.00 + VAT

**Special offer price: £500.00 + VAT**



**Stock no. MF207**

**Leutwyler Electrolytic Recovery Cell**

Manufacturer: Leutwyler  
Model: BIG - NORM - MP10Q  
Other Info: Electrolytic precious metals recovery  
Weight: 100 kg  
Refurbished price: £1,750.00 + VAT

**Special offer price: £700.00 + VAT**

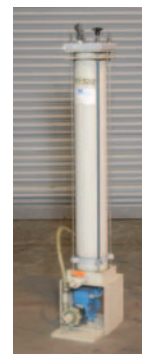


**Stock no. MF324J**

**Weku Technik AG Filter pump**

Manufacturer: Weku Technik AG  
Model: 2100  
Other Info: Polypropylene constructed  
Refurbished price: £650.00 + VAT

**Special offer price: £260.00 + VAT**



**Stock no. DG488**

**CAE Multistage Dunk Wash Machine**

Manufacturer: CAE  
Model: Washmaster  
Work Envelope (WxDxH mm): 450 x 300 x 300  
Process Stages: 3  
Other Info: Fully enclosed, stainless steel  
Refurbished price: £3,950.00 + VAT

**Special offer price: £1,580.00 + VAT**



# Featured Machines

Our featured machines have been selected from over 1000 items of used surface finishing plant & machinery from our central UK warehouse. They represent some of the most recent and best quality machines that we have available.

## Stock No: CR449

### York Millennium GSI YCAJ-77X T9 Air Cooled Chiller

Manufacturer: York  
Model:  
YCAJ-77X T9 515 OPA  
YOM: 1994  
Serial: 8878  
Other Info: Large capacity  
low footprint and height  
Ave. cooling capacity:  
538 kW  
Ave. Water Flow Rate: 15-45 l/s  
Other Info: 2 Available from stock

Run & checked price: **£9,750.00 + VAT**



## Stock No: ES1243

### Nederman NFSZ3000 NFK5+1 HJ Dust Extraction System

The NFKZ3000 filter with chain conveyor is a compact filter, suited for handling large air flows with heavy material content.

Manufacturer:  
Nederman  
Model: NFSZ3000 NFK5+1 HJ  
YOM: 2005

Approx Duty CFM / M³/Hr: 25000 // 42500 Fan selection dependent

Filter Area ft² / m²: 4356 // 425

Other Info: Collection costs to be paid by buyer

Location: Neath, South Wales, UK

**SOLD AS SEEN** and where lying at **£21,500.00 + VAT**



## Stock No: PT1043

### Ellesco Linden Grindingmaster GR 3300 - 1350 Flat Bed Belt Grinder

The total solution for stainless steel, titanium, high carbon steel strip and sheet surface finishing and polishing.

Manufacturer: Ellesco

Model:  
GR-3300-1350

YOM: 1996

Serial:

TA-1668-03

Other Info:

Designed for wet or dry operation

Refurbished price: **£45,000.00 + VAT**

Run & checked price: **£36,000.00 + VAT**



## Stock No: OT1454S

### Caltherm Drying Oven

Sophisticated custom oven with horizontal recirculating hot air in production solutions for industry including: heating, curing and cooling.

Manufacturer: Caltherm

Model: J6559

YOM: 2007

Serial: J6559 E02.07

Internal Size (WxDxH mm):  
1100 x 860 x 3000

Max Temp: 300°C

Other Info: As NEW condition

Available Refurbished only: **£17,500.00 + VAT**



## Stock No: DT1060S

### Fisa SRM 560 R Automated Cleaning Line

Automated 11 stage ultrasonic cleaning system with rinsing and drying stages.

Manufacturer:

Fisa

Model:

SRM 560 R

YOM: 1995

Serial: OL.020

Work Envelope (WxDxH mm):  
650 x 650 x 475

Process Stages: 11 process stages

Other Info: Exceptionally well maintained plant

Refurbished price: **£49,500.00 + VAT**

Run & checked price: **£39,600.00 + VAT**



## DT1100

### MecWash Midi 400 With Fitted Aquasave 10 Water Recycling Unit

The system combines ultrasound with high flow washing, rinsing, dedicated jetting and vacuum drying to provide the highest quality of component cleaning available.

Manufacturer: MecWash

Model: MIDI 400

YOM: 2003

Serial: M333

Work Envelope (WxDxH mm): 470 x 620 x 400

Process Stages: 3 stage wash, rinse and dry

Other Info: Ex Aerospace machine

Refurbished price: **£29,500.00 + VAT**





## Stock No: VT1023

### Rösler R650ST Vibratory Bowl

Flexible and versatile mass finishing system. Inclined bowl design for ease of unloading, U shaped profile to eliminate thin parts from sticking to the process bowl wall and automatic media separation and parts discharge.

**Manufacturer:**

Rösler

**Model:** R 650 ST

**YOM:** 2007

**Serial:** 40283/07

**Capacity:**

650 litres

**Type:** Inclined vibratory process bowl

**Other Info:** As NEW condition

**Refurbished price:** £25,000.00 + VAT

**Run & checked price:** £00,000.00 + VAT



## Stock No: AT0100

### Compair Broom & Wade 6075N Cyclone Compressor

Suits the requirements of many different applications, from either larger stand-alone dedicated supplies to a centralised air distribution unit for a complete workshop or factory.

**Manufacturer:**

Compair

**Model:** 6075N

**Cyclone**

**YOM:** 1998

**Serial:** f141/0881

**CFM/Kw:**

353 cfm // 60kW

**External Dimensions**

(WxDxH mm):

2040 x 1250 x 1700

**Compressor Type:** Screw

**Other Info:** Sound reducing enclosure

**Refurbished price:** £6,750.00 + VAT

**Run & checked price:** £5,738.00 + VAT



## Stock No: ST622

### Guyson International Multi-blast Special Shotblast System

With this machine's twin axis robotic blast action, media grading facility and multiple guns, a number of automated blasting operations can be achieved; from masked fixture blasting to peening.

**Manufacturer:**

Guyson International

**Model:** Multiblast Special

**YOM:** 2007

**Serial:** 802746

**Work Handling Method:**

Manual load automatic blasting

**Other Info:** Twin axis automated blast machine

**Refurbished price:** £17,500.00 + VAT

**Run & checked price:** £14,438.00 + VAT



## Stock No: SS590

### Alju Hook Spinner - Hanger Shot Blast Machine

An as new Alju 88/AQ-1 hanger type blast machine, having only been used for a short time on light duty aluminium fabrications from a major international automotive radiator supplier.

**Manufacturer:** Alju

**Model:** 88/AQ-1

**YOM:** July 2002

**Serial:** 1460

**Work Envelope**

(WxDxH mm):

1600 x 2000 x 1500

**Work Handling Method:**

Automated conveyor

**Other Info:** Light usage plant

**Refurbished price:**

£42,500.00 + VAT

**Run & checked price:** £34,000.00 + VAT



## Stock No: OR1204

### Wessex Furnaces

#### Atmosphere Bell Furnace

Originally employed for aluminide and chromide diffusion coatings to hot section industrial gas turbine blades and vanes to protect them against oxidation and corrosion in an Argon atmosphere.

**Manufacturer:** Wessex Furnaces

**Model:** Bell Furnace

**YOM:** 2001

**Serial:** 1390

**Internal Size:** Ø 1500 x 1300 mm H

**Max Temp:** 1250°C

**Other Info:** Atmospheric Heat Treatments Furnace

**Refurbished price:** £27,500.00 + VAT

**Run & checked price:** £22,000.00 + VAT



## DQ887

### Lindus LCM 250 Enclosed Solvent Degreaser

The main characteristic of the machine is the airtight seal of the processing chamber, which, together with the vapour sensors, ensures absolute absence of any dispersed emissions.

**Manufacturer:** Lindus

**Model:** LCM 250

**YOM:** 2001

**Serial:** 314

**Work Envelope (WxDxH mm):** 310 x 700 x 310

**Process Stages:** Multi Stage

**Other Info:** Enclosed ultrasonic solvent washer

**Refurbished price:** £25,000.00 + VAT

**Run & checked price:** £20,000.00 + VAT



# New Machines

## Riley 'AirTech' Powder and Thermal Spray Booths with Reverse Pulse Extraction and Cleaning System.

The Riley AirTech powder booth comprises a spray canopy attached to an extraction and cleaning module with hopper recovery.

It provides a safe and efficient working environment and can also be adapted to thermal spraying, deburring and shot blasting.

Riley AirTech powder booths are available in both single and double module sizes.

**Example price:**  
**2.4 H x 1.1 W Genie**  
**single module booth**  
**£6,280.00 + VAT**



## NEW Ovens and Furnaces from Riley Surface World

### Riley Thermal World laboratory and industrial ovens, furnaces and incubators

**Riley Thermal World ovens and furnaces** accurate temperatures, robust construction and choice of capacity and function. Applications include general engineering, thermal processing, materials testing, electronics and life sciences.

They have powder coated, steel exteriors and aluminium or stainless steel interiors. Doors and chambers are well-insulated and shelves are chrome plated.

All products feature PID control systems. There are also internal fans, programmable controllers, chart recorders and shelf variations.



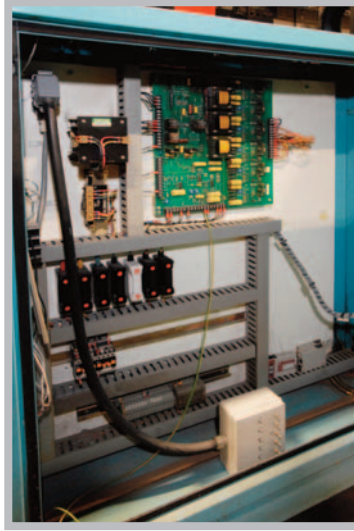
For further information about the complete range of AirTech powder booths and Thermal World ovens, call **+44 (0)1922 458000** or visit: [www.rileysurfaceworld.co.uk/new-machines](http://www.rileysurfaceworld.co.uk/new-machines)

[www.rileysurfaceworld.co.uk](http://www.rileysurfaceworld.co.uk)



## Case Study:

### Selmet Inc. Oregon, USA



## Riley Surface World provides power supply equipment to USA Titanium investment casting manufacturer

Riley Surface World has recently won a large order from Selmet Inc., an American supplier of titanium investment casting to the global aerospace industry. The company purchased 4 x 10,000 Amp, 0-35 Volt Cortina rectifier sets formerly used in the UK for the anodising of surface finished aluminium coil, as used in light diffusers and other similar products. These high powered units are now being applied to vacuum arc melting (VAR).

Selmet was established by Larry Sharpf in 1983. Now part of Blue Point Capital Partners, Selmet has grown into a world-class company with a huge range of quality accreditations, including that of Gold Supplier to the United Technologies Corporation.

Vacuum arc melting (VAR) is a method of melting consumable titanium electrodes in a water-cooled copper crucible while under a vacuum using high amperage and low voltage.

This melting method intensely stirs the liquid metal. The stirring promotes a very homogenous melt pool and effectively distributes alloying elements evenly throughout the poured casting.

A thin layer of metal remains frozen against the crucible, forming a skull. The boundary layer in the liquid adjacent to the skull, together with the skull itself and the interface between the skull and

the crucible, all serve as resistors. This reduces the heat conducted from the hot liquid into the cold crucible.

This highly specialised process requires a stable and reliable DC power supply, something that Riley Surface World was able to provide at a greatly reduced price in comparison to the purchase of new equipment.

Commenting on the project, Art Hill, an executive consultant at Selmet said:

*'We are delighted with the first class products and excellent customer service that we received from Riley Surface World. They were able to put us in touch with a power supplies consultant in the UK, who did a thorough analysis of our requirements and designed the ideal solution.'*

*'The agreement also made sound financial sense and the shipping of the equipment to our factory in Oregon was handled in a thoroughly professional manner by the Riley team.'*

This is just one example of how DC power supplies for one process can be adapted to another application in a different part of the world, creating new export opportunities for UK companies.

For further information, visit: [www.selmetinc.com](http://www.selmetinc.com)

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Germany, April 13 - 17, 2015, hall 3, stand no. E02.  
[www.hannovermesse.com](http://www.hannovermesse.com)

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Machines**



## Over 1000 machines in stock & online



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Surface Engineering Association



South African Metal Finishing Association



European  
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Machinery dealers national association of USA