

## Instrumentation



Fischer Instrumentation (GB) Ltd manufacture and supply a wide range of analytical instruments and specialise in coating thickness measurement and chemical analysis. Our range includes bench-top EDXRF spectrometers, automated micro hardness and Pico-Indenter systems and a very comprehensive range of hand held coating thickness gauges.

### FISCHER INSTRUMENTATION (GB) LTD

A new combined tribo tester, designed for performing a wide range of testing on thin film coated specimens, has been developed by Teer Coatings Ltd. The new ST4001 tester replaces the previous ST3001 product and offers maximum flexibility and ease of use.

The system is designed for both scratch adhesion and multipass wear testing, and includes acoustic emission monitoring as standard. The system has the option of a pin on disc testing attachment, and the optional facility of a microscope and camera with image analysis software.

### TEER COATINGS LTD

Following recent changes to the AMS 2750 specification, Datapaq has carried out a comprehensive review of their thermocouples, data loggers and analysis software. All equipment is now supplied with a certificate which satisfies the requirements of AMS 2750D. The company has updated its Furnace INSIGHT Survey analysis software to comply with the new revision, and has also included some additional unique features for ease of use, such as supervision of the temperature uniformity survey (TUS) to alert the user when an overshoot occurs or when stabilisation at the TUS temperature has been achieved, password protection for extra security, and automatic configuration of the TUS report. Additional software features include an instant thermocouple map where the hottest and coldest spots are visually displayed both on-screen and in the printed report.

### DATAPAQ

## Furnaces and ovens

Elterma's PEGAT-1000/20x32.5 retort pit furnaces have a diameter of two metres and a load weight of 8,000kg. While PEGAT-1000/32x20 has a diameter of 3.3m and a load weight of 20,000kg. Both can be used for carburising gears and shafts for machine building or the marine industry.

### ELTERMA



## Furnaces and ovens

Nabertherm offers professional solutions for glass, ceramics, heat treatment of metals, plastics and surface finishing, as well as foundry applications. They have developed and produced furnaces and ovens for laboratory and industrial applications for more than 50 years. Complete fabrication of furnaces takes place at their facilities in Lilienthal/Bremen, Germany.

### NABERTHERM GMBH



## Forced air convection systems



Spooner Industries manufactures forced air convection systems for drying, curing, cooling and non-contact handling of materials from metal strip to paper to textiles. The company has considerable experience in the processing of coated strip products for the coil coat industry

and it offers both catenary and airflow oven systems complete with air coolers, chemical-coat ovens, water quenches, pollution abatement, heat recovery units and PLC systems.

### SPOONER INDUSTRIES

## Treatment services

Bodycote offers a variety of surface engineering and volume heat treatments, some of which are unique to the company. It offers a pulsed plasma nitriding service in Birmingham, UK, this incorporates advanced microprocessor-based controls and a furnace design which ensures optimum temperature and treatment uniformity. The company also provides a portfolio of eco-friendly, controlled plasma nitriding and plasma nitrocarburising treatments, sometimes in duplex combination with a physical vapour deposition or ceramic coating, to enhance tribological properties and/or corrosion resistance. Low pressure carburising is also offered as are a range of zinc thermal diffusion coatings.

### BODYCOTE

# PRECISION HEAT TREATMENT

## with Techne fluidised baths

Exceptional temperature stability and uniformity make Techne fluidised baths the ideal choice for critical heat treatment procedures. They operate from 50°C to 700°C with several control options, including fully computer-controlled processing.



# TECHNE

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