

## COATING SERVICES



### SERVICE DESCRIPTION

With ISO-certified manufacturing facilities in Europe and the USA both, having multiple coating lines, cleanrooms and laboratories, along with sheeting and slitting in China, we are committed to be the leading provider of coated materials. Our technical staff continually develop new techniques, formulas and applications that add competitive advantages for our customers' products.

Through close co-operation with major OEMs and with our own technologies, we supply often complex coatings to various substrates to meet the most demanding applications. All communication is tightly controlled by confidentiality.

### BENEFITS

With shorter product life cycles and changing technologies, contract coating and converting offers a set of strategic options that enhance your flexibility, without the added investment in equipment and workforce. From small scale trial facilities to large scale production we offer a range of coating capabilities to meet your exacting demands. Our coating services are delivered by dedicated, qualified professionals committed to delivering timely, cost effective solutions. Investment is key to meeting new market demands. New UV curing capability, screen printing and enhanced clean rooms are the most recent additions to our capabilities.

## MARKETS

Materials developed solely by us or jointly with customers, are used in a variety of products in the following high technology markets:

- Automotive
- Coated Fabrics
- Defence
- Electronics
- Information Storage
- Medical
- Optical Films
- Security



## CAPABILITIES

### Coating Lines

- Coating widths to 1600mm (64")
- Wide coating thickness range with high levels of coating accuracy
- Ability to handle substrates including: plastic films, metal foils, paper and woven and non-woven materials

### Coating and Drying Methods

- Multiple coating methods which can be aqueous
- solvent or 100% solid systems
- Reverse roll, direct gravure, reverse gravure
- direct and post-metered slot-die, knife-over-roll
- UV, thermal and proprietary coating methods

### Process Control

- Active 6 Sigma programmes
- Process data logging
- Control of process variables
- Real time correction
- Laser inspection
- On-line thickness measurement
- On-line optical densitometer
- Web temperature measurement
- Electronic SPC charts



### Pilot Coating Facilities

- Development Laboratory
- Modular laboratory coating facility 300m (12")
- Pilot coating facility 600m (24")

### Typical Solvents

- Acetone / Butyl Acetate / Butyl Alcohol / Diethylene Glycol / Dimethyl Formamide / Ethyl Alcohol / Isopropyl Alcohol / Methyl Alcohol / Toluene / Methyl Ethyl Ketone (MEK) / Methyl Isobutyl Ketone (MIBK) / N-Butyl Acetone / N-Methylpyrrolidone / N-Propyl Acetone / Tetrahydrofuran (THF) / Xylene / Water

## CONTACT

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UK Site: +44 1978 660 241 Transcontinental United Kingdom, Ash Road North, Wrexham Industrial Estate, Wrexham LL13 9UF  
USA Site: +1 704 847 9171 Transcontinental Matthews, 700 Crestdale Road, Matthews, NC 28105

### Typical Substrates

- Polyester / Polyimide / Polyurethane / Aluminium Foil / Polyethylene / Polypropylene / Non-Woven / Woven / Release Media / Polycarbonate / Tissue / Copper Foil

### Additional Equipment

- Mixing facilities
- Slitting/Sheeting/Rewinding
- Edge Trimming
- Filtered air to class 1000 (M4.5) conditions
- Printing

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