

## Advanced Engineering 2019

As the UK's only event truly able to introduce suppliers and buyers to opportunities in familiar and new sectors, Advanced Engineering 2019 welcomed over 550 exhibitors and over 15,000 attendees, a 5% increase on the previous year.

The event introduced the new show zone, Medical Device Engineering, ensuring the show featured even more cutting edge technologies and product innovations than ever before.

Taking place on October 30-31 2019 at Birmingham's NEC, Advanced Engineering hosted six key manufacturing zones, making it the UK's largest annual showcase of engineering technology, innovation and supply chain solutions.

### ADVANCED ENGINEERING 2019



30 & 31 October 2019 | NEC, Birmingham

The event provided excellent networking opportunities and new business for over 15,000 professionals, including OEMs and all tiers of the supply chain.

Make sure you book your place for the event's twelfth year this year, so you can source, showcase and transfer the latest technologies across R&D, design, test & measurement, advanced materials, manufacturing, production and automation. 2020's event will be returning to the NEC,

Birmingham on 4-5 November.

This is our pick of the best exhibitors from last year's Birmingham show, listed here in alphabetical order: Attwater Group, Clarendon Specialty Fasteners, Dash-Cae Ltd, Dediennne Multiplasturgy® Group, Fimark Ltd, Grattells, Harrison Silverdale Ltd & 3DGBIRE. Further details can be found on this page & the next.

**www.advancedengineeringuk.com**

## Dediennne Multiplasturgy® Group



DEDIENNE Multiplasturgy® Group has taken up the challenge of 3D additive manufacturing, an essential tool for the industry and the management of complex and innovative projects, essential contribution in the improvement of technologies, materials, and development times.

We are the first French manufacturer to equip itself with the EOS P 810 laser sintering machine for EOS HT-23 material (based on Kepstan® PEKK, Extreme Polymer from Arkema, reinforced with Carbon Fibres). With a chamber size of 700 x 380 x 380 mm, EOS P 810 allows fast and economical production of high-performance techno polymer parts directly from CAD data without the need for tooling.

**T +44 (0)1825 732532**  
**r.minter@dedienne.com**  
**www.dedienne.com**



- Dediennne Multiplasturgy® Group gives you a single window to 10 sectors of manufacturing expertise:
- 3D production in low to medium volumes
  - Micro-injection, Injection, over-moulding and bi-material
  - Smart Plastic Products/Plastronics
  - Bio-composite
  - Thermoplastic composite
  - High precision machining of plastics & composites
  - Forming, thermoforming, RTM & SMC, stamping of non-autoclave TP composites
  - Design & manufacturing of moulds and tooling and parts
  - Metallisation of plastics and composites TP, electro-magnetic and absorbents compatibility
  - Surface treatment-decoration-Assembly

Manufacturing for your projects in plastics and composites, with particular expertise in the most complex of tasks. We promote energy savings by reducing mechanisms and replacing metal with high-performance plastic and composite materials.

## Leaders in industrial laminate

Attwater Group is the UK's longest established manufacturer of industrial laminate. Displaying a plethora of rich history and expertise from its inception in 1868 by Richard Henry Attwater, the company is still in the Attwater family today.

Progressing significantly, Attwater Group has established itself as a world class manufacturer and supplier of industrial laminates, composite materials and machined components, serving a wide variety of industry sectors.

Attwater Group maintains a team

of highly respected technical experts that use their extensive knowledge to create products that have a proven track record for reliability in various applications including: trams, white goods, cars, aeroplanes and power generation.

One of the main focuses of Attwater Group is delivering its customers more than just a supply service; the company is dedicated to helping its customers' products and business advance. Providing a partnership, working closely with its customer from development to production; Attwater Group

strives for 'progress through innovation' for both itself and its customer.

Customer satisfaction is of the utmost importance for Attwater Group and the company ensures that its customers receive its products on time to the agreed upon schedule, meeting all specifications and on budget.

**For any further information, please see the details below.**

**Contact**  
**T 01772 258245**  
**www.attwater.com**



## Leading end-to-end engineering and manufacturing provider

Dash-Cae Ltd is a leading end-to-end engineering provider for vehicle and systems design, offering a range of capabilities including tooling, rapid prototyping, experimental manufacture and composites for the aerospace, automotive, defence and motorsport industries.

With an expanding manufacturing base and highly innovative approaches, Dash-Cae boasts over 75 years' experience in delivering a highly diverse range of projects including for Formula 1, aircraft, electric vehicles, sports wheelchairs and composite rucksacks & chairs.



Established by Tim Robathan, who boasts a wealth of expertise in cutting edge design and development, Dash-Cae is supported by a highly experienced team of Engineering staff and an enviable network of partners.

The company fully utilises CAD, FEA and CFD to ensure everything is right first time when designing, and ensures its manufacture

QA is correct using Scanning technology. Dash-Cae pioneers design for RP tooling and robotic advanced production, where carbon prototype manufacture deliver leading components to customers around the globe.

Located in Oxfordshire, Dash-Cae is a professional operation to partner or subcontract your programs, experienced in lean and efficient approach to deliver Pitstop performance without the costs.

If you would like to find out more information on everything Dash-Cae has to offer, head to the website or get in touch using the contact details below.

**Contact**  
**T 01865 244003**  
**www.dash-cae.co.uk**

### UK Manufactured Industrial Laminates

Our product development and manufacturing expertise aren't the only reasons our customers choose us. They want our products precisely machined exactly to their requirement, without fuss and on budget. All at our UK based plant.

- ▲ PAPER BASED LAMINATES (SRBP)
- ▲ FABRIC BASED LAMINATES (SRBF)
- ▲ GLASS BASED LAMINATES (SRBG)
- ▲ COMPOSITE / SPECIALIST
- ▲ GLASS FIBRE TUBES
- ▲ COMPOSITE, SRBP & SRBF TUBES

+44 (0)1772 258245 | sales@attwater.com | www.attwater.com  
AttwaterGroup in Attwater group

### 3DGBIRE

DON'T WORRY. WE ARE NOT HERE TO BAFFLE YOU WITH INFORMATION. JUST THESE THREE POINTS:

- 3D PRINTING IS NOT AS EXPENSIVE AS YOU THINK IT IS.
- 3D PRINTING DOES NOT HAVE TO BE "COMPLICATED".
- WE CAN START IDENTIFYING APPLICATIONS THAT WILL SAVE YOUR BUSINESS SERIOUS TIME AND MONEY TODAY.

IF YOU DON'T BELIEVE THIS ADVERT, CONTACT US TODAY

OR VISIT OUR WEBSITE... (WE HAVE THE PROOF.)

**WHAT WE OFFER**

- 3D PRINTERS
- 3D SCANNERS
- 3D PRINTING FILAMENTS
- CAD & 3D TRAINING
- TECHNICAL SUPPORT
- AND MUCH MORE...

**START YOUR 3D JOURNEY**

01257 228 411  
SALES@3DGBIRE.COM

**3DGBIRE**  
**WWW.3DGBIRE.COM**

### 3DGBIRE

When discussing emerging technologies & markets, 3D Printing is often a topic of hot debate & interest across a wide variety of industries and professions; as the machines continue to appear in design studios, factories and manufacturing facilities across the globe, 3D Printers are becoming an essential piece of equipment for many businesses. With the global market revenue forecasted to increase from \$15.8 billion in 2020 to \$35.6 billion by 2024 the market is quickly becoming saturated with manufacturers and distributors.

3DGBIRE are different, they stand out from the masses providing more than just 3D Printing technology they provide a complete 360-degree service which includes training, support and service, the ideal solution for businesses without the necessary in-house expertise or time to integrate additive manufacturing organically.

We specialise in assisting industrial customers to adopt additive manufacturing. Using a consultative process, we identify the most appropriate applications, technologies, and materials for our customer's needs. We demonstrate substantial returns on investment based on significant cost and time savings.

**sales@3dgbire.com**  
**www.3dgbire.com**