

M&A Dieterle GmbH Maschinen- und Apparatebau

About this organisation

M & A DIETERLE (since 1964) is an established provider for tailor-made machinery and components for the textile and paper industry. Our Composites Unit offers modular, cost-efficient and flexible machines for fiber processing - from fiber spreading and impregnation to fiber placement. Our latest development, the CROSSLAYER enables automated preforming with either prepreg or dry fiber placement.

Products 1. UD FixedTow Machine (spread and powder fixed Tow production) 2. Crosslayer (automated 2D dry fiber placement or prepreg placement) 3. Fiber Discovery Modules: Customized fiber processing machines (sizing, spreading, impregnation of fibers) 4. Customized Fiber Placement machines integrated in robots; multi - head machines Services 1. Material production (fixedTow, sizedTow, preforms) 2. Co-Development Advantages: • Entry machines for automated fiber processing and preforming • Inhouse machine development and assembly • Have own preforming lab to validate processes before machines are built • Develop customized and functional solutions • Access to new fiber processing and composite innovations

Neuhofstr. 26
73113 Ottenbach
Baden-Württemberg
Germany
www.ma-dieterle.de



Organisation type

Small or medium-sized enterprise

Sectors



Others: Textilindustrie,
Papierindustrie

Employees

50 up to 249

Turnover

€10m - €50m

Funding

n/a



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About this organisation

Main areas covered	Modular Machines: preforming
Infrastructure	Fiber Processing machines
Certifications	
Keywords	flexible, cost-efficient, automated
Memberships	Leichtbauzentrum BW, Composites United , Alliance of Fibre-Based ... (AFBW), Leichtbau BW

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
Products Semi-finished parts, Machines and plants	✓	✓	✓
Services & consulting Training, Engineering, Prototyping, Technology transfer	✓	✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
Measuring and testing technology Visual analysis (e.g. microscopy, metallography)	✓	✓	
<i>Modelling and simulation</i>			
Plant construction & automation Plant construction, Automation technology, Handling technology	✓	✓	✓
<i>Recycling technologies</i>			

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
Fibre composite technology			
Pre-preg processing		✓	
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
Textile technology			
Preforming, Nonwoven & mats production	✓	✓	

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)	✓	✓	✓
Fibres Basalt fibres, Glass fibres, Carbon fibres, Natural fibres			✓
<i>Functional materials</i>			
Metals Aluminium, Steel		✓	✓
Plastics Thermoset plastics, Thermoplastics	✓	✓	✓
<i>Structural ceramics</i>			
(Technical) textiles Laid webs, Others	✓	✓	✓

Contacts

Ms Dr. Bettina Schrick

Project management

bettina.schrick@ma-dieterle.de