

# 13 clusters of excellence and expertise

DEMGY NORMANDIE/DEMGY PARIS

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Our DataComp® Materials database :  
[www.demgy.com/fr/datacomp](http://www.demgy.com/fr/datacomp)

ADDITIVE MANUFACTURING	<ul style="list-style-type: none"> <li>Atelier Dedienne 3D 3D printing in medium series</li> </ul>	HP 4200 Station - Multi-Jet Fusion Technology EOS P 810 Station - Selective Laser Sintering Technology
TP & TD INJECTION, OVERMOLDING AND BI-MATERIAL	<ul style="list-style-type: none"> <li>Thermoplastic Injection</li> <li>Injection and Compression of Thermosets</li> <li>LSR Injection</li> <li>Over molding of inserts</li> <li>Thermoplastic injection of transparent parts</li> </ul>	15T to 650T - PEEK, PPS.... PP & AIPS / AIPi 03-02-010 15T to 650T 80T Metallic, Plastic & Composite 15T to 650T
BIO COMPOSITE	<ul style="list-style-type: none"> <li>Flaxcomp® process The flax in all its possibilities</li> </ul>	100% co-sustainability made in France 100% eco-design approach made in France
THERMOFORMING	<ul style="list-style-type: none"> <li>Thermoplastic Thermoforming</li> <li>Thermoplastic stamping and compression</li> <li>Plastic sheet assemblies</li> </ul>	Up to 2500mm*1500mm* 55T to 500T Rolling, folding, bonding, welding...
FORMING, RTM & SMC, THERMOPLASTIC COMPOSITES	<ul style="list-style-type: none"> <li>Thermoplastic Stamp forming and compression</li> <li>Forming TP Composites &amp; Over molding</li> <li>Resin Transfer Molding (RTM)</li> <li>Low pressure moulding PU, Epoxy, Silicone</li> </ul>	15T to 650T 250°C, 10 bars maximum
POLYIMID VESPEL® DUPONT™	<ul style="list-style-type: none"> <li>Exclusive distributor in France for all the parts and semi-finished products of the DuPont Vespel® polyimide range</li> </ul>	
HIGH PRECISION MACHINING OF PLASTICS & COMPOSITES	<ul style="list-style-type: none"> <li>Machining of technical polymers</li> <li>Machining of HPP polymers</li> <li>Machining and polishing of transparent and optical parts</li> <li>Micro machining</li> <li>Machining and cropping 3 to 5 axis of composites parts</li> <li>Cutting</li> </ul>	2 > 6 axis 2 > 6 axis 2 > 6 axis Drilling holes of 0,07mm diameter TP & TS up to 2500mm* x 1500mm*
DESIGN AND MANUFACTURING OF PARTS, MOULDS & TOOLING	<ul style="list-style-type: none"> <li>Co-design of components and parts</li> <li>Study and manufacture of sub-assemblies</li> <li>Design of Moulds &amp; tooling</li> <li>Rheology study</li> <li>Tooling Manufacture</li> </ul>	Catia, Creo, Spinfire, Vero, Solidworks, TopSolid Catia, Creo, Spinfire, Vero, Solidworks, TopSolid Mouldflow set High precision milling, high precision electro-erosion, grinding
PAINTING DECORATION ASSEMBLING	<ul style="list-style-type: none"> <li>Automated painting line</li> <li>Conductive painting</li> <li>Tampo-printing, screen printing and hot stamping</li> <li>Laser printing</li> <li>Ultrasonic mirror welding &amp; assembly</li> <li>Technical Paint</li> <li>Ultrasonic welding and assembly</li> <li>Assembly, manual to automatic process</li> </ul>	1 to 4 colors Acrylic, epoxy, silicone... AIPS / AIPi 05-02-002, AIPS / AIPi 05-02-003, AIPS / AIPi 05-02-009, AIPS / AIPi 05-02-011
METALLIZATION OF PLASTICS & COMPOSITES	<ul style="list-style-type: none"> <li>Surface treatment of metal</li> <li>Metallization of plastic and composite parts</li> <li>Conductive paint</li> <li>Selective 3D Metallization</li> </ul>	Ni, Cd, Ag, Au, Zn , CR XII , Surtec 650... Cu, Ni - Ag, Au, Zn, Cd ... MID - Moulded Interconnect Device
SMART PLASTIC PRODUCTS	<ul style="list-style-type: none"> <li>Plastronic</li> </ul>	Integration of electronic elements
EMC-EMI SHIELDING & MICROWAVE ABSORBERS	<ul style="list-style-type: none"> <li>Injection of Conductive polymers</li> <li>Selective 3D Metallization MID</li> <li>Development and production microwave absorbers</li> <li>Manufacturing of P10 foam and impregnated foam</li> </ul>	Metallic load Moulded Interconnect Device Alkard® range P10 and MPU Foam
CONTROL TESTING AND ANALYSIS	<ul style="list-style-type: none"> <li>Control Measuring Machine</li> <li>Control Optical Machine</li> <li>Fluorescence X, Electronic</li> <li>Control Unit HF</li> <li>Colorimeter</li> <li>Non destructive test</li> <li>Tensile test</li> </ul>	Dimensional control Dimensional control Thickness control apparatus EMC - EMI control Colour control Ultrasonic, Dye penetrant inspection Tensile control at 5Kn max. (CTS 1KN)