

10 clusters of excellence and expertise

DEMGY ATLANTIQUE

Do not hesitate to contact us
Our DataComp® Materials database :
www.demgy.com/fr/datacomp

TP & TD INJECTION, OVERMOLDING AND BI-MATERIAL

▷ Thermoplastic Injection	15T to 650T - PEEK, PPS... PP & AIPS / AIPI 03-02-010
▷ Twin shot injection of thermoplastic	For TP & TPE
▷ In-Mold Labelling/ In-Mold Assembly / In-Mold Decoration	
▷ Over molding of inserts	Metallic, Plastic & Composite
▷ Thermoplastic injection of transparent parts	15T to 650T
▷ Gas injection, Sequential	
▷ Heat and Cool Thermoplastic injection	Roctool Technology with Generator of induction

BIO COMPOSITE

▷ Flaxcomp® process The flax in all its possibilities	100% co-sustainability made in France 100% eco-design approach made in France
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THERMOFORMING

▷ Thermoplastic stamping and compression	55T to 500T
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FORMING, RTM & SMC, THERMOPLASTIC COMPOSITES

▷ Thermoplastic Stamp forming and compression	15T to 650T
▷ Forming TP Composites & Over molding	
▷ Forming of composites (licence from RocTool)	Induction Generator (licence from RocTool)

HIGH PRECISION MACHINING OF PLASTICS & COMPOSITES

▷ Machining of technical polymers	2 > 6 axis
▷ Machining of HPP polymers	2 > 6 axis
▷ Machining and cropping 3 to 5 axis of composites parts	TP & TS up to 2500mm* x 1500mm*
▷ Laser cutting	

DESIGN AND MANUFACTURING OF PARTS, MOULDS & TOOLING

▷ Co-design of components and parts	Catia, Creo, Spinfire, Vero, Solidworks, TopSolid
▷ Study and manufacture of sub-assemblies	
▷ Design of Moulds & tooling	Catia, Creo, Spinfire, Vero, Solidworks, TopSolid
▷ Design of Moulds & tooling for dual injection	Rotative tool, transfer
▷ Tooling Manufacture	High precision milling, high precision electro-erosion, grinding

PAINTING DECORATION ASSEMBLING

▷ Automated painting line	
▷ Tampon-printing, screen printing and hot stamping	1 to 4 colors
▷ Ultrasonic mirror welding & assembly	Acrylic, epoxy, silicone...
▷ Technical bonding	
▷ Technical Paint	AIPS / AIPI 05-02-002, AIPS / AIPI 05-02-003, AIPS / AIPI 05-02-009, AIPS / AIPI 05-02-011
▷ Ultrasonic welding and assembly	
▷ Assembly, manual to automatic process	

METALLIZATION OF PLASTICS & COMPOSITES

▷ PVD treatment (Physical Vapor Deposition)	In collaboration
▷ CORONA & PLASMA treatment	Pretreat surface for adhesion

EMC-EMI SHIELDING & MICROWAVE ABSORBERS

▷ Injection of Conductive polymers	Metallic load
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CONTROL TESTING AND ANALYSIS

▷ Control Measuring Machine	Dimensional control
▷ Control Optical Machine	Dimensional control
▷ Viscosity control system	Polymer control
▷ Control Unit Lux-meter	Brightness control
▷ Non destructive test	Ultrasonic, Dye penetrant inspection