

BMC • Composites • Injection Molding • Subsystems

Ideas into life

● Composites Production

We manufacture composites with Resin Transfer Molding (RTM), light RTM, Vacuum Resin Infusion (VRI) and wet lay-up for various sectors, like Automotive, Leisure & Sports, Marine Constructions and Aeronautics. We supply from single components to complete subsystems. Post molding operations include machining, cutting, assembling, riveting and painting.



● Subsystems Assembly

Under the control of our Quality Assurance System, manufactured components and purchased items are assembled to form final products or subsystems. We perform a wide range of auxiliary operations including Ultrasonic Welding, Printing, CNC machining, normal machining operations (drilling, tapping), Cutting, Glueing, Riveting and Painting. We also design and implement dedicated automated production cells and product depended quality operations.



● Bulk Molding Compound (BMC)



BMC (bulk molding compound = wet polyester) is a special material and production process, very similar to injection molding that bridges the gap between injection molding and composites production. In this production



● Toolmaking

Our machine shop is fully equipped for mold construction. We are able to design and construct molds up to 2 tons and maximum size 946 x 646 mm. We are specialized in molds for clear parts (requiring high gloss polishing), for small complicated components made of engineering thermoplastics and multi-cavity molds equipped with hot-runner systems.





process, materials similar to composites are processed in an automated molding process. The resulting parts have similar mechanical properties to thermoplastic moldings, but thermal, chemical and electrical characteristics close to composites.

Thus, BMC offers the design freedom and the cost of thermoplastics for the production of composites.

In July 2012, a brand new injection molding machine for wet polyester processing (bmc) was delivered to Dasyc in Greece and put into operation. The KM-CX 300-1400 PolySet completes the machine package in which

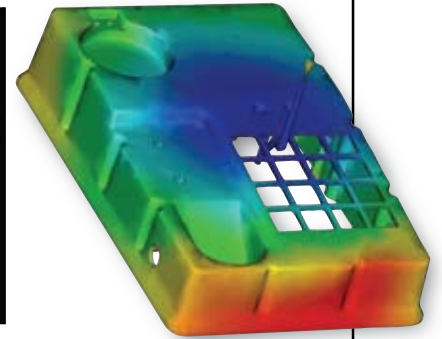
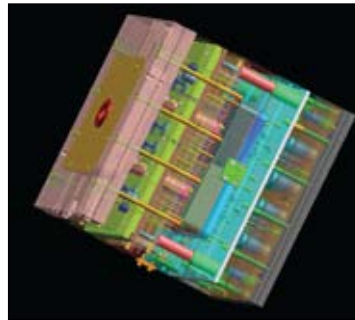
Dasyc invested around a million euros. Two further PolySet machines for processing BMC were already delivered in 2010 and 2011. And so the company has now installed the first fully operational production line for BMC parts in Greece in its factory in Thiva.



● Design & Development

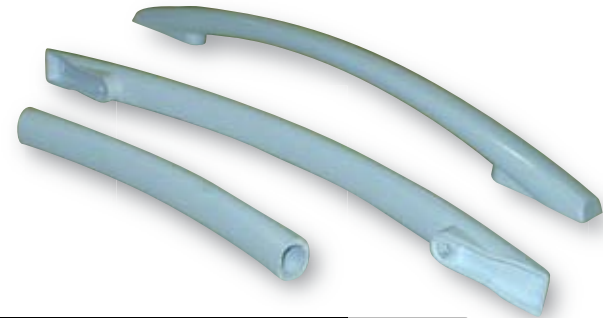
Our Design & Development department works in close cooperation with our customers in order to integrate into our customer's products our know-how obtained from plastics processing (Design for Manufacturing).

In addition, our Design and Development department handles from part design and solid modeling, to mold design and CAD/CAM up to production process design and implementation.



● Gas Assisted Injection Molding

Gas Assisted Injection Molding (GAIM) is a substantial evolution in the field of plastic injection molding production process. In GAIM packing of the molten polymer inside the cavity is obtained by the introduction of high pressure nitrogen leading to stress free hollow injection moldings without sink marks.



● Injection Molding

We operate 15 injection molding machines ranging from 60 up to 520 tons, which operate 24 hours per day, 7 days per week. Automatic material feeding & drying and automated cells for post-molding operations offer a complete, modern production environment.

Although a wide experience is obtained in the processing of almost all thermoplastic materials, Dasyc is focused in the processing of engineering thermoplastic materials with improved characteristics.



● Company Profile

Dasyc S.A. is a manufacturing company in the fields of bulk molding compound (BMC), thermo-plastics and composites, established in 1979. The company has solid manufacturing experience and know-how, as well as extensive knowledge in the design and engineering of production processes, tools and molds.

During the last four decades of operation, Dasyc developed an extensive customer portfolio with major international companies in the automotive, military, aeronautics, electrical & electronics and home appliances industries.

Dasyc owns two production sites in Greece and is ISO 9001:2008 and ISO 14001:2004 certified.

From mould design and construction, parts production, secondary operations and final assembly to packaging and final delivery, Dasyc provides a complete set of services to its customers that bring ideas into life.

Injection Molding Machines

Type	Manufacturer	Closing force (tn)	Comment
NB-520	NEGRI-BOSSI (Italy)	520	Robot
KR-350	KRUPP (Germany)	350	
KM 300CX	Krauss Maffei (Germany)	300	Specialized BMC machine - Robot
KM 300CX	Krauss Maffei (Germany)	300	Specialized BMC machine - Robot
KM 300CX	Krauss Maffei (Germany)	300	Specialized BMC machine - Robot
KM 250C2	Krauss Maffei (Germany)	250	Robot
KM 200C2	Krauss Maffei (Germany)	200	
KM 150	Krauss Maffei (Germany)	150	
AR-200	Arburg (Germany)	200	
MP-150	Idra (Italy)	150	
AR-130	Arburg (Germany)	130	
MP-100	Idra (Italy)	100	
NB-90	Negri Bossi (Italy)	90	Robot
KM-80C2	Krauss Maffei (Germany)	80	
AR-75	Arburg (Germany)	75	
BA-65	Battenfeld (Germany)	65	
NB-60	Negri Bossi (Italy)	60	

Composite Machines

Type	Manufacturer	Year	Comment
	ISOJET (France)	2002	Two Components Epoxy (2x20 lt)
	ISOJET (France)	2004	Two Components Epoxy (2x10lt)
	WOLFANGEL (Germany)	2002	Two Component Polyester (Plunger)
	WOLFANGEL (Germany)	2001	Two Component Polyester (Portable, Plunger and for Spray-Up)
S-80	SAIP (Italy)	2013	Low pressure two-components foaming machine

Tolshop Machines

Type	Manufacturer	Year	Comment
	DECKEL (Germany)	1985	NC Milling machine
FNK 25A	TOS (Czechoslovakia)	1982	NC Milling machine
	TOS (Czechoslovakia)	1982	420mm Swing Centre Lathe
M400	HARRISON (Great Britain)	1982	SURFACE RECTIFIER
	HARRISON (Great Britain)	1981	NC Milling machine
228TA	ACIERA (Swiss)	1980	Spark Erosion machine
AGIETRON EMS15	AGIE (Swiss)	1981	Spark Erosion machine
Form 20 ZNC	Charmille (Swiss)	2005	
VMC 700C	KRYLE (Great Britain)	1992	Vertical Machining Centre
	DOOSAN (N.Korea)	2009	Vertical Machining Center



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