

## COMPANY PROFILE

### Supporting the Polyurethane Industry

CTM is a specialist company with a dedicated team of 10 employees; our core business focus is to aid the production of polyurethane foam, elastomer and epoxy resin products through the supply of process equipment for both the UK and international markets.

With 18 years of experience in business in the Urethane Sector, CTM has both the knowledge and sector insight into all PU processes, enabling our technical department to maximise machine efficiency while producing components of the highest quality, which has led to CTM being the market leader for PU foam, elastomer and epoxy processing equipment supplies in the UK.



### CTM's 2 component low & high pressure polyurethane foam mixing technologies

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#### Working in partnership

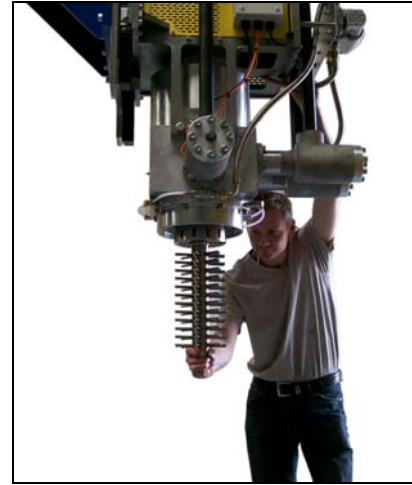
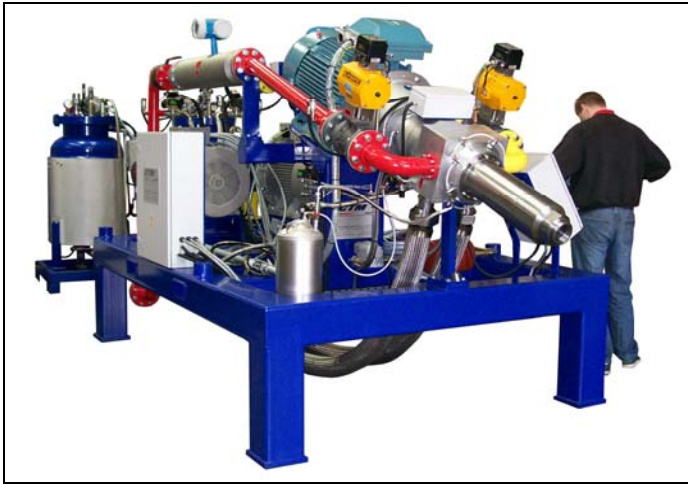
CTM is able to provide you with the highest level of quality and service through our partnership network with Cannon, the largest PU machine manufacturer globally with a keen focus on research and development, which enables us to keep up-to-date with the latest in PU foam process developments. CTM is also the sole UK agent for Polytec EMC whose activities are focused in hot elastomer processing, enabling CTM to supply and support a wider PU sector.

In addition to acting as an agent, CTM has an active self build side of its business. We assemble special custom design machinery to suit the individual needs of our customers, from 'one off's' through to batch builds, focusing mainly upon elastomer and epoxy processing equipment. All machinery is designed and assembled 'in-house' by our designated team whose expertise is available on-hand to answer any enquiry. CTM can also provide a full range of support packages from training through to annual and interim servicing, and our links with professionals in the chemical and tool moulding industries can aid the production process from inception to completion.

### CTM's High output 2,000 litre/minute technologies

Following our success in designing and building a 1,500 Kg per minute metering unit for a customer in China for the tyre industry, we have since built a larger capacity unit with an even higher output capability.

The metering unit below was designed and built by CTM for use in the off-shore industry and is a world leader in terms of output, it can mix up to 2,000 Kg per minute and is able to manufacture mouldings of up to 8,500 Kgs. We consider 8.5 tonnes to be the largest mouldings ever made in a single shot.



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### CTM's 2/3 component epoxy metering technologies

CTM has gained good experience in processing epoxy technologies. The machines featured below fully demonstrate our skill in 2 and 3 component epoxy processing.

The CTM epoxy metering unit below left is designed for 3 components including fillers and a foaming agent and produces filled epoxy foam.

The CTM epoxy metering unit below right is designed for a 2 component epoxy system with 4 colours which are delivered from a dedicated 4 colour injection system.

Both units feature full time 'closed loop' flow and ratio control.



### CTM's filled elastomer technologies

We deliver real experience in the demanding world of 'off shore' and the pipe coating industry; CTM is second to none in the field of Glass and polymer sphere Syntactic PU processing equipment.

The CTM metering unit featured here represents the highest level of G.S.P.U. polymer sphere technologies available on the market today. Full time closed loop mass flow control and data capture are standard features.



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### CTM's 2, 3 and 4 component hot elastomer metering technologies

Our partner Polytec EMC delivers real experience in the hot elastomer sector, Polytec provide CTM with a range of high quality metering equipment designed for processing high-performance elastomers that are solid at room temperature.



### CTM's 'on site' support and replacement parts service

CTM provides on site support for either planned maintenance or quick response breakdown assistance.

We hold a wide range of genuine replacement parts stock for all major brands at competitive prices.



We supply genuine replacement parts for all major brands of PU equipment.

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### New and service exchange P.U. mixing heads

Our service support includes new mixing heads and mixing head repairs.



### **New and service exchange P.U. metering pumps**

Our service support includes new metering pumps and metering pump repairs. CTM stock 12cc, 28cc and 55cc, new and fully reconditioned Rexroth Hydromatic pumps for immediate despatch.



Ask us about our fully refurbished pumps for most popular brands of P.U. machines.

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### **Zero maintenance magnetic couplings for P.U. metering pumps**



CTM supply a wide range of magnetic coupling conversion kits for both low and high pressure pumps for P.U. machines. CTM's Magnetic Drive Couplings are well proven and completely eliminate the need for repeated maintenance to the pump shaft seals.