



The Perfect Cast

### SHAPING IMAGINATION

Giving shape and form to artistic endeavour

### ENABLING PRODUCTION

Engineering the answers in prototyping and production

### REPLICATING EXCELLENCE

Capturing the detail of creativity in modelling

CMA Moldform Ltd. has been producing Scale Models since 1985 and began Rapid Prototyping in 1990. Our Art division has been evolving since 2005, to cater for the ever-increasing variety of high quality, specialist design work that we were being asked to produce.

Based in the Midlands, we have a highly skilled, creative and resourceful team to meet our client's design and production requirements.

We have developed a comprehensive range of high quality processes that provide the best possible standards in both production and quality of service. We continually research new methods and materials to help both broaden our product offering and satisfy the stringent demands of our clients.



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## THE PERFECT CAST



"Angel Fields"  
Artist: Lucy Glendinning  
Installed at Hope University,  
Liverpool.  
1830mm tall, 180kg  
Crystal Clear™ resin.



▲ "Massive Orange Object"  
Artist: Nick Turvey  
Location: South Bank University, London  
(Lambeth College of Art).  
3m x 2m, 700Kg, Crystal Clear™ resin.



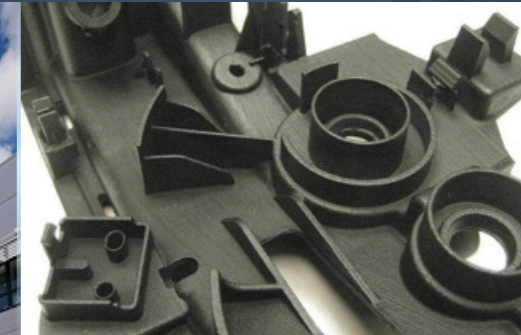
▲ "Wave"  
Artist: Lucy Glendinning  
Crystal Clear™ resin 3m tall diver and decorative  
panels mounted in polished stainless steel.  
Location: St. John's Square, Blackpool.



▲ "Coastline"  
Artist: Simon Hitchins  
Location: Workington, Cumbria.  
Town centre project.  
Local Granite and Crystal Clear™ resin.



▲ ARTWORK



▲ RAPID PROTOTYPING



▲ SCALE MODELS



# BATTERSEA ARTS CENTRE

Coloured resin lettering, back-lit using high quality strip LEDs, powder coated steel housings, mounted on a steel beam nearly seven metres long.

## ART

CMA produce high quality, specialised artworks for Public Commissions, sculptors and artists, and have some unique and innovative work methods including a specialism in large scale, Crystal Clear™ resin castings.

We have developed a comprehensive range of high quality processes that provide the best possible standards in both production and quality of service, from one-off exhibition pieces to limited run, specialist gallery artworks and corporate gifts.

### PRODUCTION EXPERTISE

- Commissions
- Sculptures
- Point-of-sale / signage
- Trophies
- Interior / exterior castings
- Furniture
- Lighting
- Films / theatre
- Special Effects
- Installations



"Unity" Artist: Simon Hitchens 6 tonnes of granite and tinted blue Crystal Clear™ resin combined, nearly 3.8 metres high.



"Sleeping Puppy" installed upon a gold plinth. Crystal Clear™ resin, 2m x 1.2m x 1m high, 750Kg.



Glenfiddich Gondola Display, Stag's head cast in Crystal Clear™ resin.



"Submissive" Artist: Jill Berelowitz Reclining torso sculpture cast in Crystal Clear™ resin. Approx 30kg.



"Coffee Table" by designers 1508 London. 2m table cast in approx 50 kg Crystal Clear™ resin and powder coated steel.

## RAPID PROTOTYPING/PRODUCTION

CMA is a 1st Tier supplier to major companies in the automotive industry and numerous manufacturers.

Our rapid prototyping department specialises in vacuum castings, reaction injection moulding (RIM), vacuum/pressure casting, rotacasting and metal centrifugal casting. CMA can offer the service of producing exceptional quality master patterns and moulds using CAD design, SLA/SLS and CNC machining.

We work to the highest levels in master model preparation, mould tools, component casting and finishing, through to full assembly units. Our finishing department has a fine attention for detail, ensuring that every product is completed to the highest possible quality standard (ISO 9001).

Using a wide range of rigid, semi-rigid, flexible, high impact and high temperature resistant resins, we can produce dimensionally accurate mouldings and castings from a few grams up to many kilos in weight.

Our client base ranges from automotive, marine, medical, electronic, aerospace, music, film/theatre industries and engineering sectors.

### PRODUCTION EXPERTISE

- SLA, SLS, CNC
- Vacuum Casting
- RIM Moulding
- Pressure Casting
- Centrifugal Casting
- Rotacasting
- Low Volume Production
- Assemblies
- Component Finishing



RIM castings supplied to the M-Sport Ford World Rally Team, including sill panels, rear quarter panel protectors and front bib spoilers.

I-Pad lockable cast. Produced using the vacuum casting process.



Tailgate liner RIM cast in high impact resistant resin.



Helmets for Ridley Scott's film "Prometheus". Optically clear helmets, Crystal Clear™ resin.



Silicone rubber protective cover for an electrostatic discharge simulator (TESEQ ESD Gun).



Automotive metallised light assemblies



1801 Austin Champ. Cast in resin and white metal. 1/24th scale.



860 Monza 12H Sebring 1956. Cast in resin, white metal and rubber. 1/6th scale.



Scale model rubber tyres up to 40cm diameter, with metal rims.



## SCALE MODELS

In a market that demands the very highest level of fine detail, CMA have a vast amount of experience in vacuum casting resin and white metal centrifugal casting, producing components for fine scale models. Castings for cars, ships, trains, planes, figures etc.

We have produced models to the following scales: Trains - from "T" scale up to 6" scale; Vehicles - from 200 scale up to 1/4 scale; Aircraft - 200 scale up to 24 scale. We also produce flexible tyres to add the finishing touch to a fine scale model. All our models are produced by making silicone moulds from masters supplied.

CMA provides components worldwide and is one of the largest sub-contract polyurethane resin and white metal casters of our type in Europe, supplying a world-wide market.

### PRODUCTION EXPERTISE

- Mould tool manufacture
- Polyurethane resin casting
- Centrifugal metal casting
- Electro-plating
- Rubber tyres
- Vacuum forming



Hawk Wargames models. Cast in resin and metal



Alfa Romeo - Le Mans type, 1/43rd scale in resin.



Willys, 1/43rd scale in white metal.



Military items, 1/72nd scale in white metal. Painted by Barry Williams.



"Shark" Artist: Pascal Haudressey Crystal Clear™ resin, 3m long, 400Kg.

