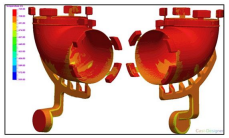
UNIQUE SHELL

Unique Shell (est. 1983) is a family owned and operated company specialising in manufacturing & machining components of Aluminium Pressure Die Casting, Gravity Die Casting and Low Pressure Die Casting. Unique Shell has a built up area of 17,000 sq. mts with 600 employees, catering to engineering, automotive, hydraulic and electric Industries. The company has Japanese VMC's, HMC's and Turning Centers which are capable of 4th and 5th axis machining of components. Unique Shell has advanced infrastructure facilities that can design and deliver customised dies and fixtures for various industrial needs. The company is also equipped with an advanced tool room with computer aided software like cast designer, solid works and edge CAM for design and manufacturing of dies and fixtures. Unique Shell also has advanced testing equipment (Spectro, Digital Radiography, Image Analyser, CMM & contour) to deliver superior quality.



SIMULATION



MAKINO - VMC

CAPABILITIES

Unique Shell has well-equipped infrastructure facilities to meet varied market requirements.

GRAVITY DIE CASTING

Minimum Size : 50 x 50 x 25 mm
Maximum Size : 480 x 480 x 315 mm
Minimum Weight : 0.100 Kg
Maximum Weight : 10 Kg

PRESSURE DIE CASTING

Minimum Size : 40 x 15 x 6 mm
Maximum Size : 250 x 200 x 100 mm
Minimum Weight : 0.100 Kg
Maximum Weight : 2.00 Kg

LOW PRESSURE DIE CASTING

Minimum Size : 100 x 100 x 100 mm
Maximum Size : 470 x 370 x 350 mm
Minimum Weight : 1.00 Kg
Maximum Weight : 25 Kg

TESTING INFRASTRUCTURE

- Spectrometer for chemical analysis
- Digital Radiography
- CMM for Tool and Die inspection, Component inspection
- Contour testing machine
- Trimos height master for Component inspection
- Leak Testing fixtures for pressure tight components
- Ultrasonic flaw detector for checking internal foundry defect
- Universal tensile tester for checking tensile strength
- Hardness Tester
- Image Analyser for micro structure analysis



SPECTRO



DIGITAL RADIOGRAPHY

OUR PRODUCTS

GRAVITY DIE CASTING PRODUCTS



PRESSURE DIE CASTING PRODUCTS



LOW PRESSURE DIE CASTING PRODUCTS



Materials:

DIN - AlSi10Mg, AlSi12Cu1(Fe), AlSi7Mg, AlSi5Cu3Mg
BS - LM6, LM20, LM24, LM25, LM27
JIS - AC2B, AC4B, ADC12, AC2A, AC4CH
ASTM - A360, A380, A356, 356.0

CERTIFICATE

Our Continual stress on consistent performance and quality is clearly reflected in







IATF-16949-2016
Certification by
TUV NORD
Since 2002

CUSTOMER RECOGNITION:

- ZF Rane
- Suzuki Motor Cycle India Pvt. Ltd
- Brakes India Limited
- TVS Motor Company Limited

UNIQUELY ENGINEERED

SCAN TO LEARN MORE

OUR CLIENTS

DOMESTIC

TVS, SUZUKI, YAMAHA, Hero, PIAGGIO, ASHOK LEYLAND, brembo, TVS, ZF Rane Expanding Horizons, ELECTRA EV, ADVIK Passionately Innovative, pricol, ARGO HYTOS, STAHL, ELGi Always Better., Valmet FORWARD

EXPORT

Atlas Copco, MANN+HUMMEL, Parker, ALUMA-FORM, Gardner Denver, RICHARDS INDUSTRIALS, Nasmyth, Victaulic, Cummins AEROSTAR Manufacturing, HENDRICKSON The World Rides On Us, Cox Geelen, altrex

UNIQUE SHELL MOULD (INDIA) PVT. LTD

Phone: +91-422-4511400
Email: marketing@uniqueshell.com, admin@uniqueshell.com
Website: www.uniqueshell.com

UNIQUE SHELL
MOULD (INDIA) PVT. LTD

EXPERTS IN:

- Aluminium High-pressure Die Casting
- Gravity Die Casting
- Low-pressure Die Casting
- High-precision Machining & Sub Assembly







