



SAMYOUNG MT

SAMYOUNG MT provides Fully Integrated Process
(R&D, Mold Build, Die Casting, Machining and Inspection)
in House as Global Die Casting Partner.

 **SAMYOUNG MT**

Welcome to **SAMYOUNG MT**



Al Die-casting Plant & Mold Plant

Al die casting Production & Mold Manufacture 10,000 Square meter



Machining Plant

Machining Production 6,600 Square meter



Al Die-casting Plant & Machining Plant

Al die casting Production & Mold Manufacture 9,900 Square meter

Global Top Competitive in Die Casting Business! To realize Customer Satisfaction



Samyoung MT established in 1991.

Now, we are set-up the fully integrated process
(R&D → Mold Build → Die Casting → Machining
→ Measuring & Approval) for Die Casting Products.

We promise to supply High Quality & Just in Time Delivery with reasonable cost to customers.

Our target is a Global Top Competitive in Die Casting Business with Catch-phrase

“To service the Best Quality” .

Thank you

President / CEO **Won Young, Jung**

History of **SAMYOUNG MT**

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- | | |
|-------------|--|
| 1991 | SAMYOUNG MT Established for Mold manufacturer |
| 1999 | Started High PressureDie-casting Business |
| 2002 | Certified SQ “A” Grade by HMC/KIA |
| 2004 | Achieve ISO/TS 16949 & ISO900 Certification by DQS Korea |
| 2006 | Awarded \$10 Million Export
Moved to Busan Science Industrial Complex
Established R&D center |
| 2008 | Awarded “Excellence Company” by Prime Minister of Korea Government
Established Machining Plant |
| 2011 | Awarded \$30 Million Export |
| 2012 | Expanded Machining Plant |
| 2013 | Achieved ISO14001 |
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Engineering System & Mold Manufacturing

Filling Sequence 0.1600 (sec)

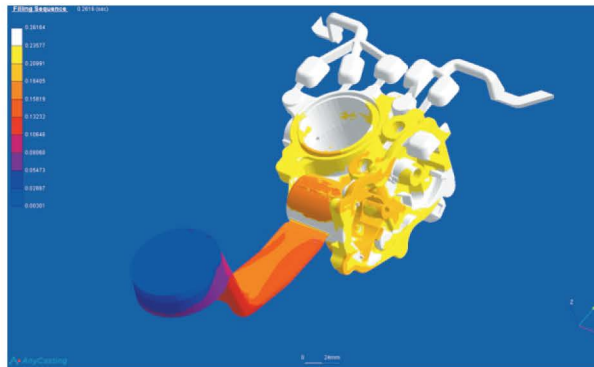


Engineering

Software	Copy
UG NX-7	1
Any Cast (Simulation)	1
AUTO CAD	5
CAD CAM (Dell CAM)	2

Mold Building (In House advantage)

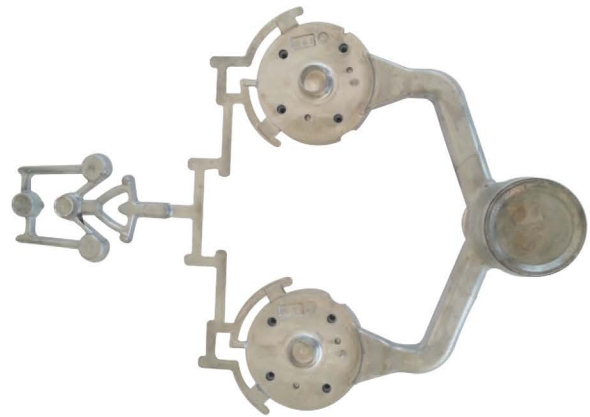
Machine Type	Units
High Speed Machining	2
CNC Milling Machine	2
EDM	5
Hole Machining	2



Engineering & Mold Build

- Early involvement for part design with R&D team
- Advanced & Optimized mold design through the simulation & experience
- Short lead time of part development with the fully integrated process in house (R&D → In house mold build → Die Casting → Machining → Measuring & Approval procedure)
- Short delivery & Short problem solving with the fully integrated process in House

Manufacturing Process Die Casting



- Real Time Shot Monitoring System
- Multi-Injection available
- High quality of the melted material with Dual Pot Systems.
- Vacuum & Squeeze functions are available for high quality products.
- Precision Trimming Die Design & Manufacturing for stable quality.
- Minimized the manual de-burring Design
- Set up the Lean Process Design for Die Casting, Trimming & Shot Blasting
- Individual products quality control available
- High surface quality available

Manufacturing Process Machining



- Automation machining system available
- High Precision products available with 5axis machining fixture's design.



- Integrated Auto cleaning system with individual machining process (Lean Process Concept)
- Minimized process design for less handling of product.



- Spinning Clean & Dry system is available for high cleanliness products.

Manufacturing Process Assembly, Inspection & Packaging



Assembly



Auto Measuring System



Leakage Test



Inspection



Package



Storage

Quality System



Measuring Equipment	Unit
3D Measuring Equipment (CMM)	3
Spectro-meter	1
Microscope Measuring system	1
CT Scanner (SMX-225CT)	1

Measuring Equipment	Unit
Surface Roughness/Profile	1
Salt Spry Tester	1
Cleanliness Cabinet	1
Hardness Tester	1

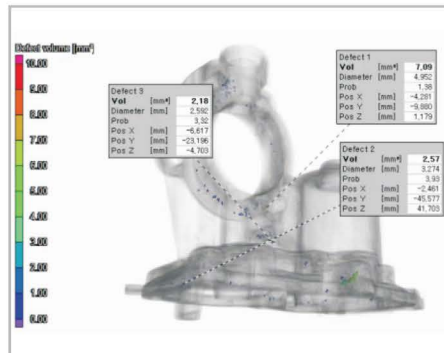
3D Measuring Equipment (CMM)



Spectro-meter



X-ray Inspection System (CT Scanner)



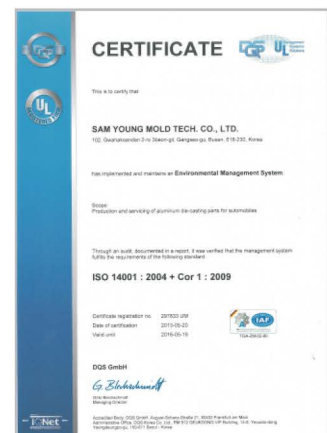
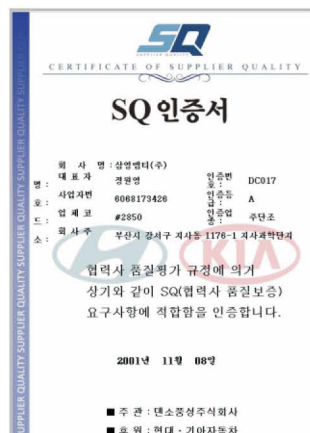
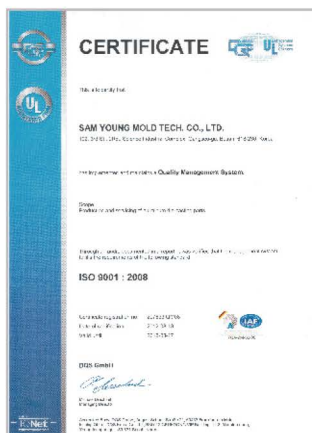
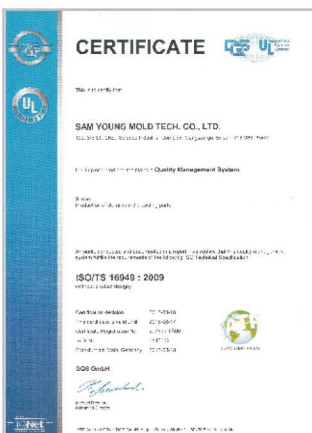


Quality System

- 2002 Certified SQ for HMC/KIA
- 2004 Certified ISO/TS 16949 by DQS Korea
- 2006 Established R&D Center
- 2006 Selected Inno Biz Company
- 2013 Qualified ISO 14001

Awards

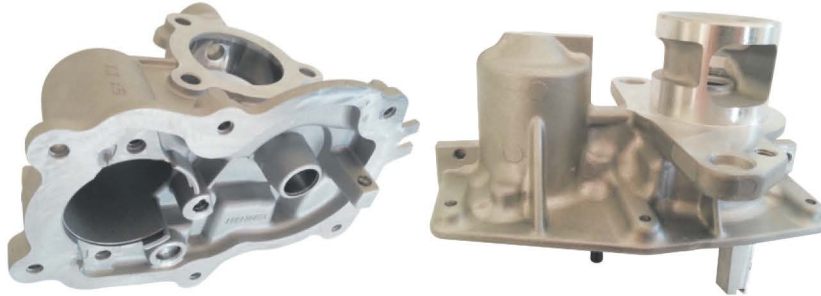
- 2001 Awarded \$1 Million Export
- 2004 Awarded \$3 Million Export
- 2005 Awarded \$5 Million Export
- 2006 Awarded \$10 Million Export
- 2008 Awarded "Excellence Company"
by Prime Minister of Korea Government
- 2011 Awarded \$30 Million Export



Main Products

► Engine Application

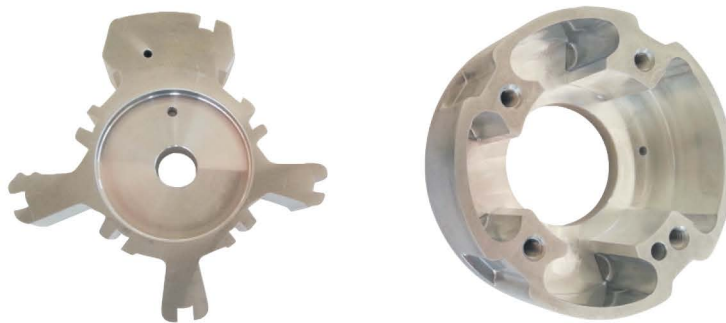
EGR



ETC



**CVT
Rotor &
Housing**



**Other
Engine
Parts**

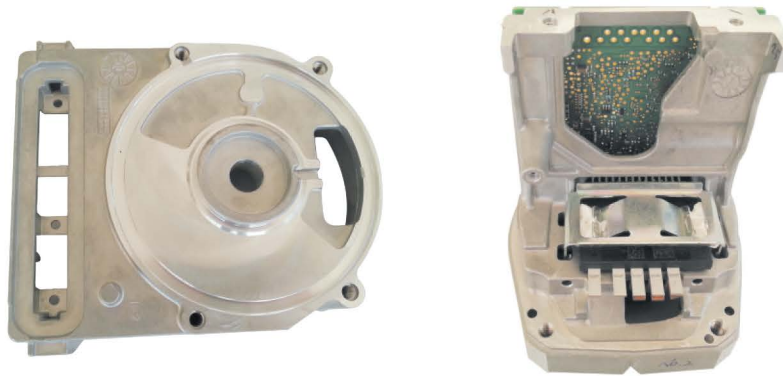


▶ **Electronic Application**

**Alternator/
Starter**



**HEPS &
EPS**



▶ **Other's Application**

**VF Frames
& SME
Frames**



Global Customers



Company

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