

samkee
AUTOMOTIVE

Your Lightweight Igniting Partner

samkee
AUTOMOTIVE

<http://www.samkee.com>

AGILE
FLEXIBLE
RELIABLE

- Aluminum die-casting specialist since 1978, covering entire range of die-cast components for engine, transmission and structural applications
- 50 die-casting machines from 350 to 2,500 tons
- Approx. 600 dedicated employees with low turnover
- High level of production automation and manufacturing flexibility
- Not a giant on a global scale, but we boast our key strengths that matter to our customers: agility, flexibility and reliability
- ISO/TS 16949, ISO 14001 and OHSAS 18001 certified

HISTORY: WE KNOW
DIE-CASTING

1978	Founded as Samkee Machinery Co., Ltd.
1983	Started serial production of automobile parts: timing gear cover for Kia Motors
1988	Established R&D laboratory
1994	Acquired 1st grade quality index from Kia Motors
1999	First export to Mazda Motor (head cover)
2000	Developed balance shaft assembly for Hyundai Motor
2005	Acquired ISO/TS 16949 and ISO 14001 certifications
2010	Started in-house production of aluminum alloy and serial production of automatic transmission valve body for Hyundai Motor Group at Seosan Plant
2012	Public listing on the KOSDAQ market
2013	Nominated to supply DSG valve body for Volkswagen / Audi Nominated to supply DCT case / housing for Hyundai Motor Group
2014	Best Supplier Award from Hyundai / Kia Motors Supplier Quality Excellence Award from GM
2015	Started serial production at Shandong Plant, China



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FROM MOLTEN ALUMINUM TO ASSEMBLY

We provide one-stop solutions to our customers by operating along the entire value chain of die-casting industry. Our capabilities include alloy production, die-casting, machining, treatment, and assembly, which can individually or collectively add value to our customers.

We have produced technically demanding die-cast parts for automotive industry, on the back of our leading die-casting technology and rigorous quality standards. Our rapid development and implementation capabilities are supported by our technological clout and accumulated expertise.

We provide best-in-class process development which best caters to our customers' needs. To enhance our manufacturing competency, we have in-house capability to develop highly automated casting, machining, and assembly systems that meet the sophisticated engineering standards of global auto makers.



Product Highlight

SUBJECT TO HIGH EXPECTATIONS

Our products are subject to high expectations. For over 30 years, we have developed and manufactured various die-cast parts to guarantee weight reduction, enhanced performance, and cost savings. We currently supply to three of the Top 5 automakers in the world, striving to meet their highest quality standards and rigorous testing requirements.

We have a longstanding relationship with Hyundai Motor Group, the world's fifth largest automaker. We have supplied to Kia Motors since our inception in 1978 and currently have extensive customer base within Hyundai Motor Group. Recent key programs include 7-speed DCT cases and housings, of which we were nominated as the exclusive supplier.

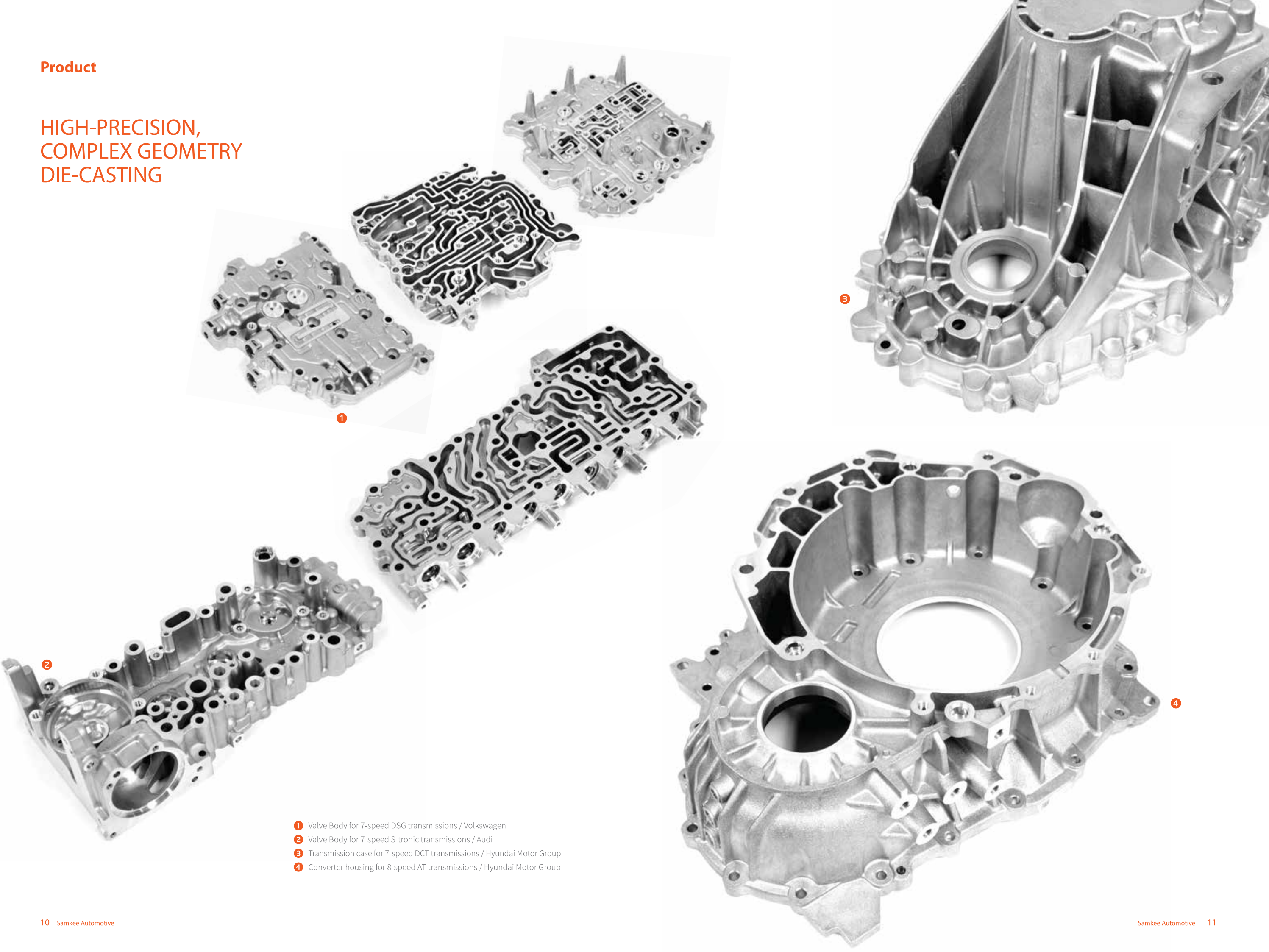
In 2013, we were nominated to supply valve bodies of DSG transmissions to Volkswagen, which was the first direct sourcing of the product from Asia. Since the first nomination, we secured follow-on valve body programs for Volkswagen and Audi and continue to expand our supply relationship with Volkswagen Group. We started serial production of the valve body in 2015.

We also supply various types of brackets to GM. In 2014 and 2015, we were awarded the Supplier Quality Excellence Award from GM.

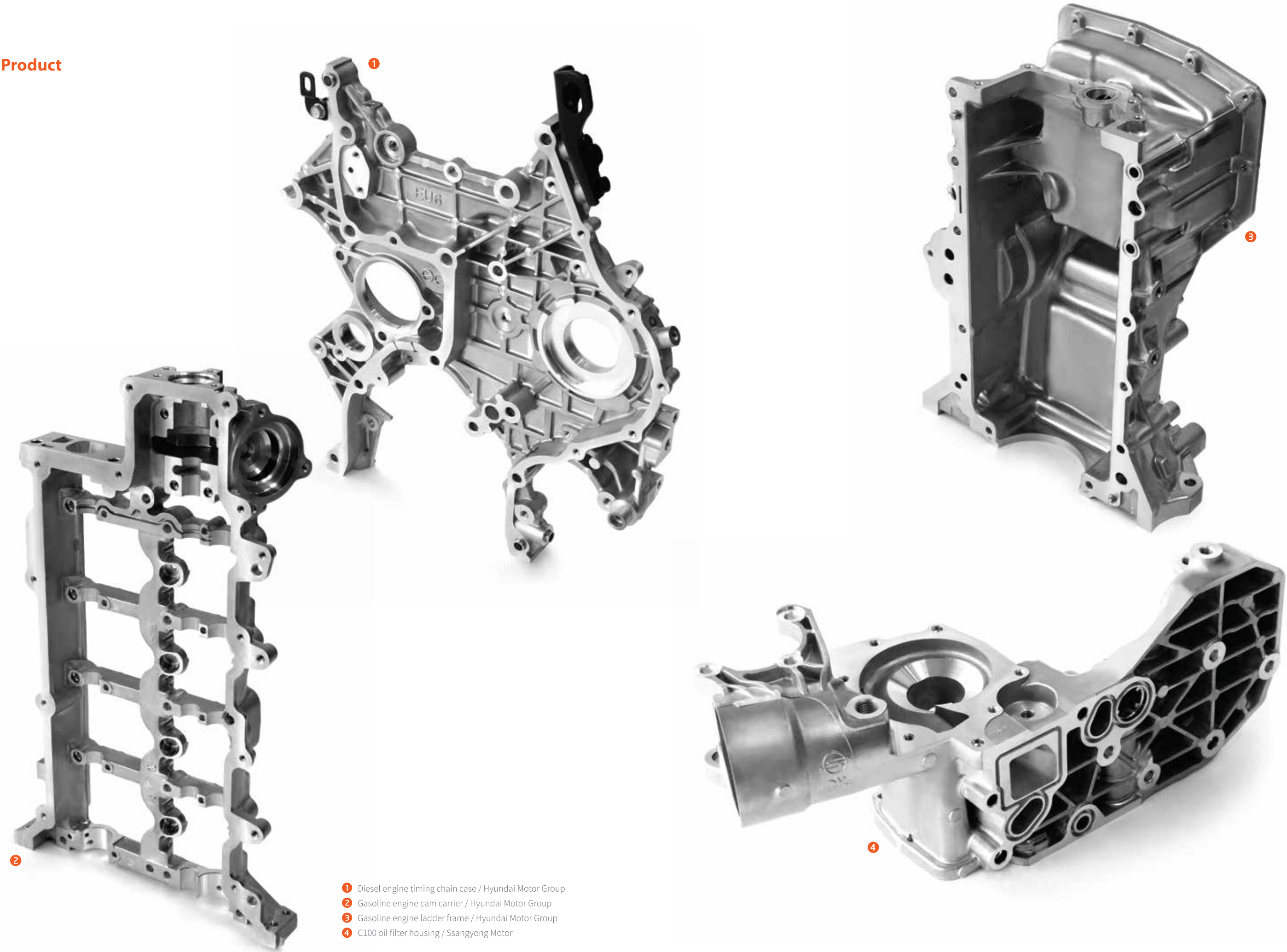


Product

HIGH-PRECISION,
COMPLEX GEOMETRY
DIE-CASTING



- 1 Valve Body for 7-speed DSG transmissions / Volkswagen
- 2 Valve Body for 7-speed S-tronic transmissions / Audi
- 3 Transmission case for 7-speed DCT transmissions / Hyundai Motor Group
- 4 Converter housing for 8-speed AT transmissions / Hyundai Motor Group



① Diesel engine timing chain case / Hyundai Motor Group
② Gasoline engine cam carrier / Hyundai Motor Group
③ Gasoline engine ladder frame / Hyundai Motor Group
④ C100 oil filter housing / Ssangyong Motor

Key Product Lineup

TRANSMISSION
PARTS

- 8-speed automatic transmission housing for Hyundai Motor Group
- 7-speed DCT case / housing for Hyundai Motor Group
- 7-speed DSG valve body for Volkswagen
- 7-speed S-tronic valve body for Audi
- 6-speed automatic transmission valve body for Hyundai Motor Group
- 6-speed automatic transmission oil pump cover for Magna Powertrain
- Various types of manual transmission case / housing for Hyundai Motor Group

ENGINE
PARTS

- Gamma engine ladder frame assembly for Hyundai Motor Group
- Nu engine cam carrier assembly for Hyundai Motor Group
- Theta engine timing chain cover assembly for Hyundai Motor Group
- U engine timing chain case / oil pan / cylinder head cover for Hyundai Motor Group
- Oil filter housing for Ssangyong Motor, a Mahindra Group company
- Balance shaft housing for Metaldyne

STRUCTURAL
PARTS

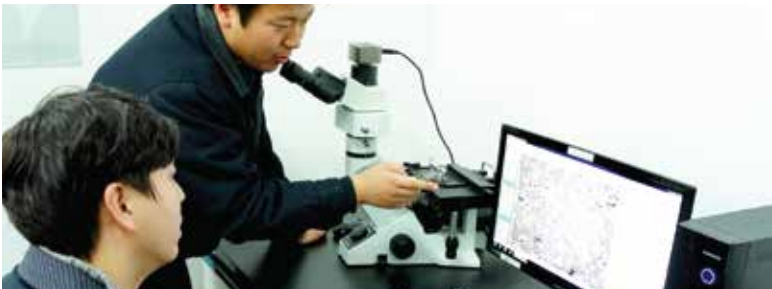
- Pillars under development for a Korean automaker
- Shock tower under development for a Korean automaker
- Various types of mounting and support brackets for Hyundai Motor Group and GM

Key Customers



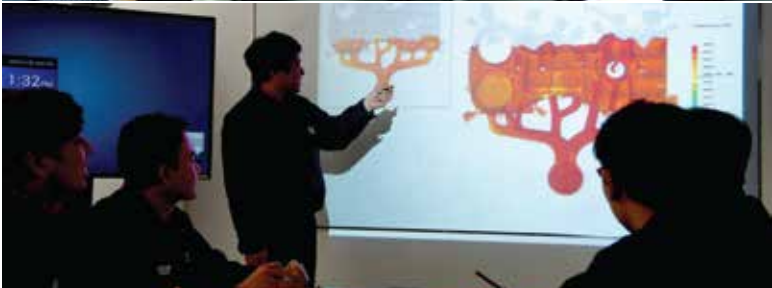
MATERIALS
DEVELOPMENT

- Development of structural aluminum alloy
- Research on grain refining and modification of aluminum alloy
- Improvement of mechanical and thermal properties



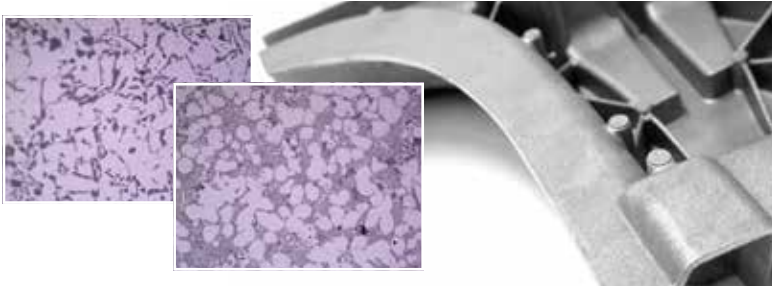
CASTING
SIMULATION

- Optimization of gating system with filling and solidification simulation
- Prediction of deformation by residual stress analysis
- Optimization of parts ejection



DIE-CASTING
TECHNOLOGY

- Slurry casting technology for non-dendritic morphology
- Advanced squeeze die-casting
- High-pressure vacuum die-casting



IN-HOUSE PROCESS
ENGINEERING

- Automation of casting, machining and assembly systems
- In-house design and development of jigs and fixtures



Locations



	Pyeongtaek	Seosan	Shandong
Established	1978	2010	2014
Business Area	Auto parts	Auto parts Aluminum alloy	Auto parts
Location	Pyeongtaek, Gyeonggi Province, Korea	Seosan, Chungnam Province, Korea	Rizhao, Shandong Province, China
Footprint	27,000㎡	112,000㎡	62,000㎡
Address (Headquarters)	147 Pyeongtaekhang-ro 268beon-gil, Poseung-eup, Pyeongtaek-si, Gyeonggi-do TEL 031-491-0341 FAX 031-682-0808		