

GET IN TOUCH

PROCESS INFORMATION

MACHINING, FORGING + CASTING TECHNOLOGY

- 350 – 3250 tonne die casting machines
- Tilt gravity die casting machines
- DISA vertical and horizontal moulding lines
- Shell moulding machines
- 1350, 1600 and 2500 tonne forging presses
- Continuous heat treatment furnaces
- Makino/Mazak horizontal and vertical machining centres
- Tapping centres, turning centres
- Automatic welding
- Washing and leak test machines
- Laser marking
- CMM

ENGINEERING CAPABILITY

- Casting solidification analysis
- 3D modelling
- 3D laser scanning
- X-ray
- Ultrasonic scanning

EXAMPLE PRODUCTS

- Supercharger housings for passenger cars
- Clutch housings
- Hub forgings
- Oil pump assemblies
- Cam ring
- Adjusting ring
- Seat frames
- Steering cores
- Automatic transmission carrier

Each engineering task demands its own unique combination of process, technology and personnel. That's why we approach every project with an open mind, taking the time to really understand your business before proposing a solution. This personal approach – along with clear communication and dedicated customer service – has helped us build exceptionally strong partnerships with customers and suppliers all over the world, many of whom have been with us since we began. And this commitment to excellence has been recognised by Eaton Corporation with their Premier Supplier Award.

Call us today to discuss how we can work together to make your project a success.

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Advanced engineering

... Precision manufacturing

... Global logistics

SigmaASL

specialises in the design, manufacture and supply of complex machined castings for the automotive industry. These precision components are engineered and produced in our dedicated facilities in South Korea, overseen by some of the country's best engineers.

The Sigma ASL global team manage your whole project, from concept design through to mass production and global distribution. By bringing together the highest levels of technical expertise, advanced manufacturing and supply chain management, we can offer complete solutions to the most demanding projects. Underpinning all our work is the drive to deliver maximum value for our customers.

Shang Yun Kim
Chief Executive Officer
Sigma ASL Korea

"With its well-developed infrastructure, low-cost raw materials and highly qualified workforce, South Korea is today's most exciting environment for automotive engineering."

OUR SERVICES

ENGINEERING AND DESIGN

At Sigma ASL we're experienced in solving highly complex engineering problems. Using advanced modelling and simulation techniques, our engineers can refine and optimise any design to meet the most exacting needs – whether that's reducing weight and costs, meeting aggressive production timing targets or increasing efficiency.

MANUFACTURE

Equipped with state of the art technology, we manufacture castings in aluminium, magnesium, iron and steel. For each project we select the most cost effective process from high pressure, low pressure (gravity), vacuum and conventional casting methods. Our manufacturing facility achieves outstanding levels of efficiency, output and complexity while meeting all the highest international quality standards.

SUPPLY CHAIN MANAGEMENT

Over two decades Sigma ASL has built a reputation as a leading logistics service provider. Thanks to close partnerships with a trusted network of global partners we can offer complete supply chain management solutions, customised to your specific operational and strategic requirements. Our service includes scheduling and material flow management, shipment monitoring, local warehousing inventory optimisation and haulage, all with 24 hour customer support.

