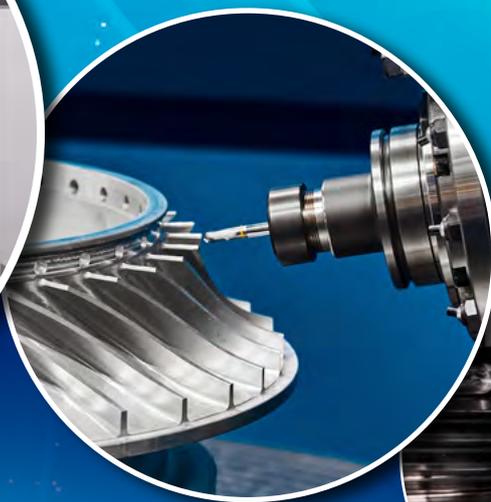
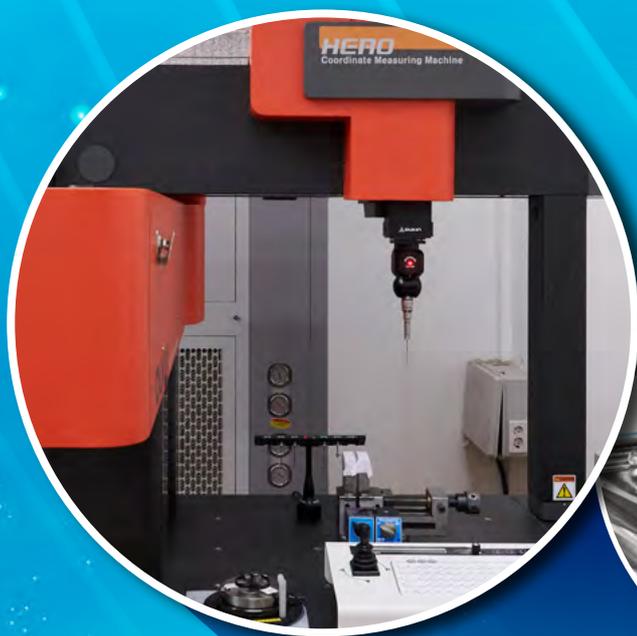


We'll be the best business partner for you.
We promise to provide high-quality products
with low prices and we will do our best to keep
in faith and trust to satisfy customers.

Best Quality,
Creating Values and
Customer Satisfaction

KEYPROTO



- **About Us**

- Business Areas
- Product
- Facility

Driving Quality, Accelerating Growth

We lead the industry with our quality and accelerate our growth to venture into a wider world.

We dream of a glorious future and remain committed to our goal.

Our goal is to create value for our customers and to lead the way to become a world-class company.

Our story starts with quality. With our delicate skill and highest level of technology, we provide our customers with the best quality as we create solid value for our customers in every process. From designing to prototyping, casting, precision processing and post-processing, all processes collectively take place within our company, for higher efficiency and precision.

Through this process, we maintain a high level of market competitiveness as we have become the best prototyping company in the world.

However, this is not the end of our journey.

We go beyond the domestic component market and expand over to the world.

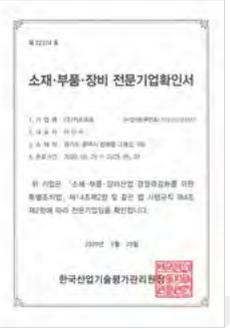
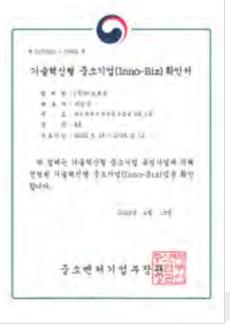
As we grow even faster, we embrace a larger market. With our products and technology capable of competing in the world market, we deliver the highest value to customers all around the world.



Introduction

Company	Keyproto Co., Ltd.
CEO	In-Kyou Lee
Date of foundation	6/1/2005
Address	(HQ) 166, Goryeom-gil, Cheongbuk-eup, Pyeongtaek-si, Gyeonggi-do, Korea (R&D Center) 46, Dongtansandan 10-gil, Hwasung-si, Gyeonggi-do, Korea
Business Areas	Prototyping, 5-axis precision processing, casting and molds, R&D
Website	www.keyproto.co.kr

Certificates

			
<p>[Distinguished Contribution to Venture Industry Development Award]</p>	<p>[Corporate R&D Center Certification]</p>	<p>[Certificate for Parts & Materials Specialized Company]</p>	
			
<p>[ISO 9001]</p>	<p>[ISO 14001]</p>	<p>[Inno-Biz Certificate]</p>	<p>[No. 1 Quality Satisfaction Index Company of 2017 and Best Innovation for Technology Award]</p>

Partners

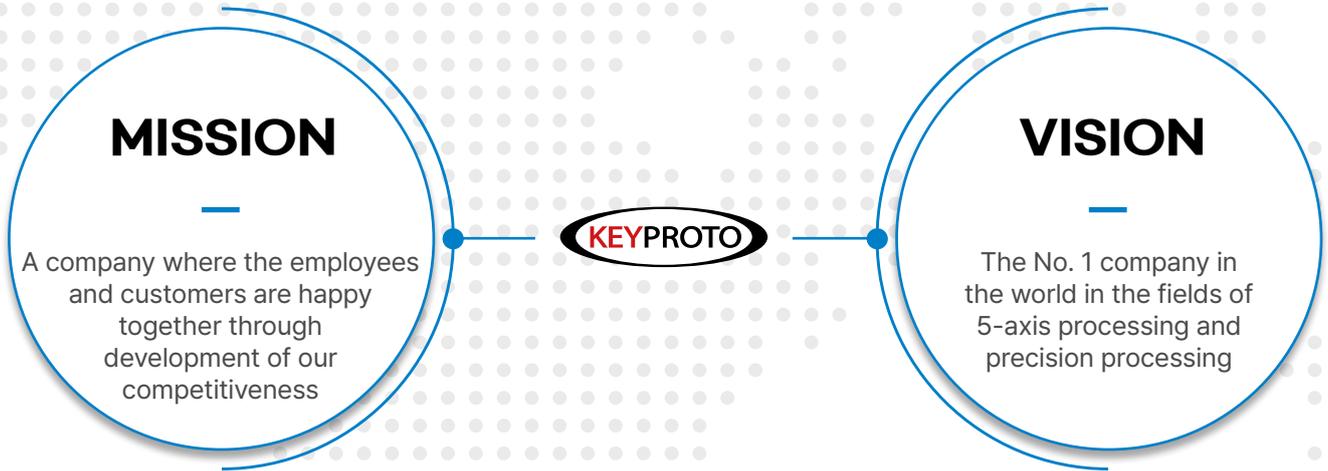
			
			
			

● **About Us**

- Business Areas
- Product
- Facility

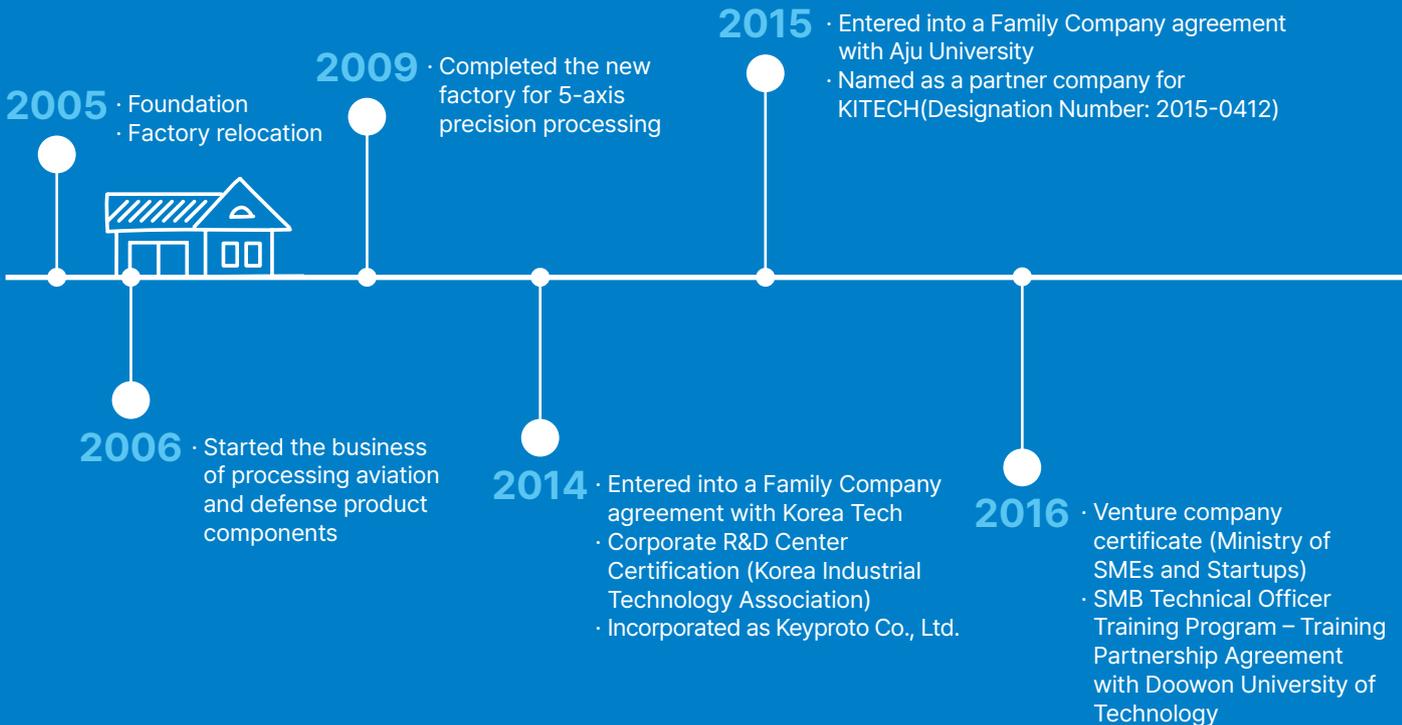
● **Business Philosophy**

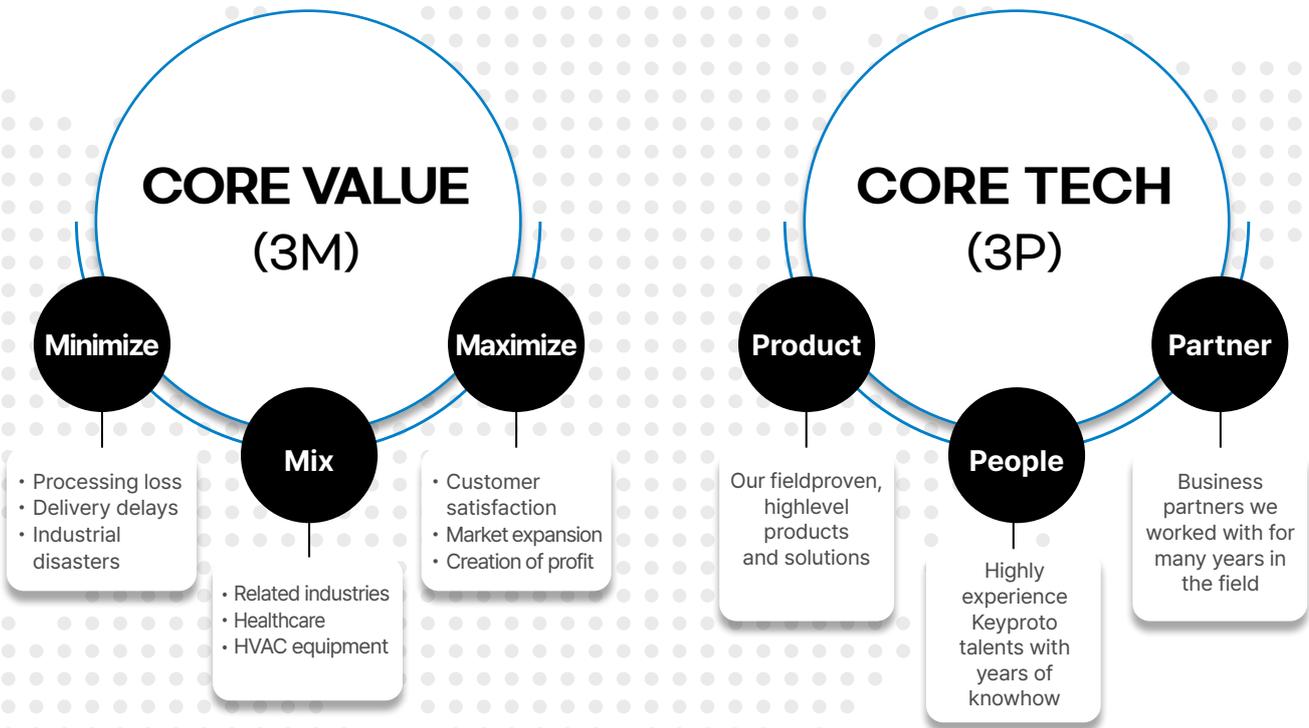
We create the best quality and values, aspire to become a world-class company and contribute to the development of our country.



● **Company History**

Forward thinking over dwelling on the past





2017

- INNO-BIZ Certificate (Ministry of SMEs and Startups)
- Specialized Parts and Materials Company Certificate (Ministry of Industry and Commerce)
- ISO9001/14001 Quality and Environment Management System Certificate [IAF]
- Industrial Technical Service Company - Military Manpower Administrations

2019

- Entered the Agreement for Developing Domestic Substitute for Imported Products, Airforce High Command, Ministry of National Defense
- Entered the Agreement for Developing the Domestic Substitute for Imported Products, Naval Command, Ministry of National Defense

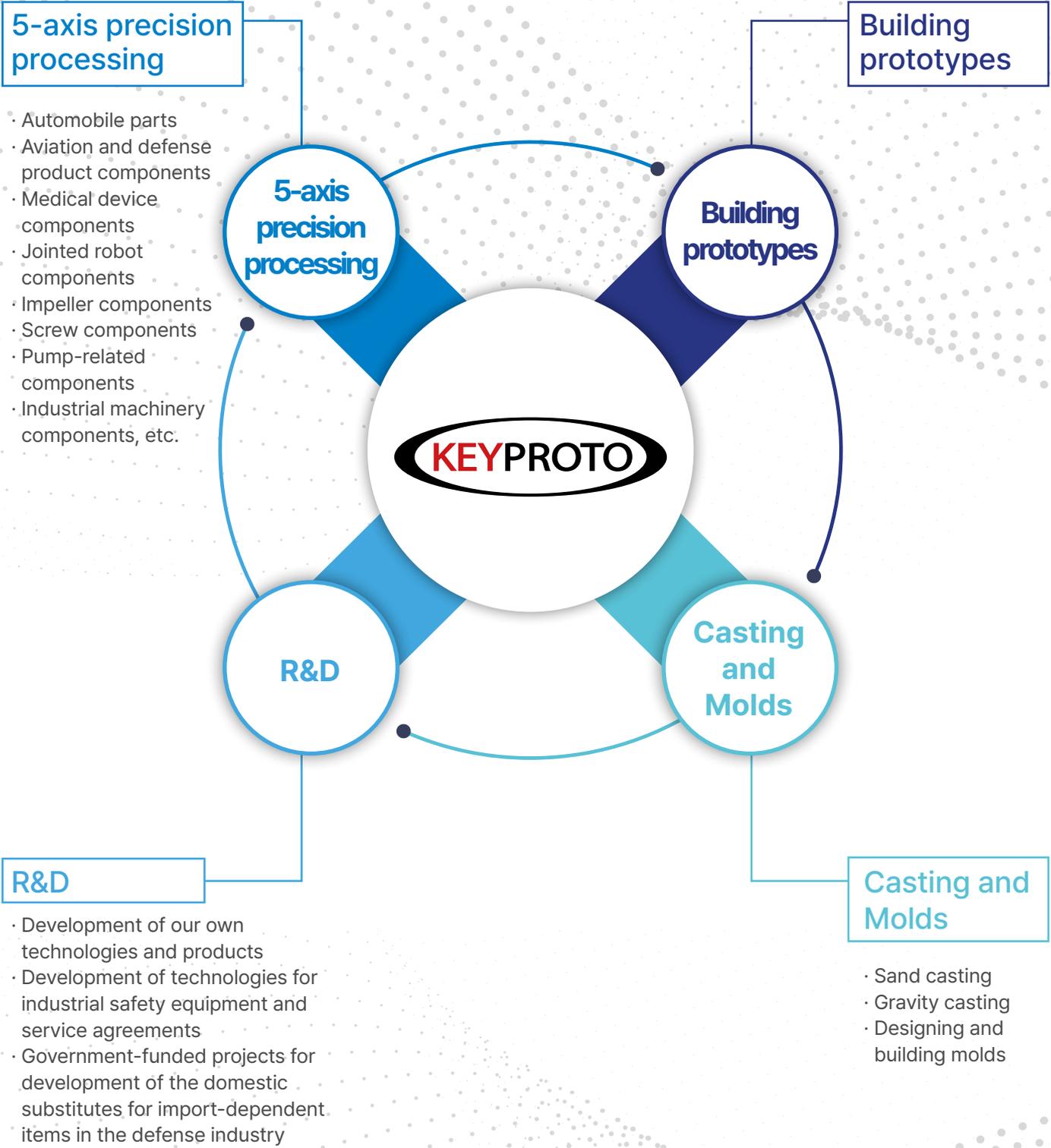


2018 · Established the casting plant

2020

- Entered the Agreement for Developing the Domestic Substitute for Imported Products, Air Force Command, Ministry of National Defense (Phase 2)

Business Areas



Prototyping

Building prototypes by Keyproto

Keyproto is a specialized prototype-building company based on sand casting and 5-axis precision processing. With our strength in making many types of products in small quantities, we build any parts that our customers need with years of processing experience, know-how, and advanced technologies, addressing the requests of our customers with precision, while enhancing the performance and functions of our products.

Advantages of Keyproto's Prototypes



All processes are carried out in-house for more competitive prices



One-stop production for a shorter development and delivery time



Singular production system to enhance quality and competitiveness



Higher efficiency in managing suppliers and contractors by consolidating materials and processes

Key Applications

- Automobile parts
- Aviation and defense product components
- Hydraulic/pneumatic and tool parts
- Impeller components
- Advance research development products

Keyproto is building and delivering prototypes for the projects by major Korean carmakers and mechanical parts-specialized research laboratories



5-axis Precision Processing

5-axis Precision Processing of Keyproto

Keyproto retains precision 5-axis processing technology for auto-parts, aviation and defense product components, medical device components, jointed robot components, impeller components, screw components, pump-related components, and industrial machinery components, covering a variety of industry areas.

With this, it is possible to build the products in accordance with the requirements of customers, while guaranteeing the highest quality and precision.

Advantages of 5-axis Precision Processing



Can process more complex components of various forms



A higher level of precision and faster processing speed



Can process from multiple angles in a single process



Higher productivity and quality of products

Key Applications

- Automobile parts
- Jointed robot components
- Pump-related components
- Aviation, defense product components
- Impeller components
- Industrial machinery components
- Medical device components
- Screw components



Casting and Molds

Casting and Molds of Keyproto

Keyproto can utilize its casting and molding technologies, such as sand casting and gravity casting, to manufacture high-precision products. With this, we can satisfy the performance and functional requirements of the designers and respond to any changes in design faster.

Casting and Molds - Our Advantages



Can manufacture products of complex design with high precision and faster speed.



Can use the advanced precision processing technologies and skills of our experienced workers.



Cost saving; faster response to design changes.



Precise functions and highest product quality.

Key Applications

· Sand casting

· Gravity casting

· Designing and building molds



Product Development

Product Development and Designing



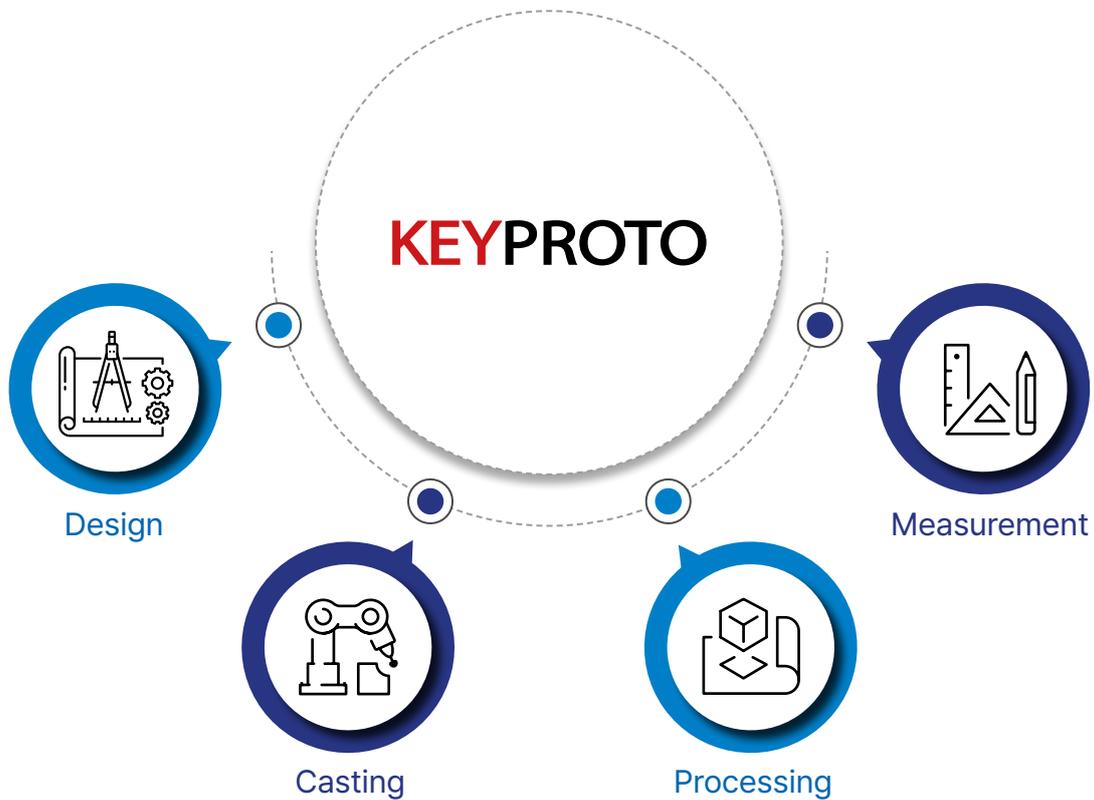
Designing

We have CATIA, UNIGRAPHIC, I-DEAS, AUTO CAD, POWER MILL, WORK-NC and other superb CAD/CAM equipment. We use such resources and engineers with the highest level of expertise in the field of equipment designs, modeling, and other related areas to respond to any requests from our customers. To realize the commercial potential of outstanding ideas of our customers and their plans, our engineers do their best in the development and support activities.

- We use CATIA, UG, NX, AUTO DAD and other commonly used CAD programs.
- We provide designing services for 2D Design & 3D Modeling and write NC programs.
- We provide product development services and identify potential issues of products prior to the making of molds at a minimum cost.

One-stop Service

All processes performed in-house



All processes performed in-house

All processes to manufacture a prototype take place within our facility. From designing to manufacturing, precision processing, and post-processing, the entire processes are performed in a single, unified product system, which allows us to respond to any issues that we may face in production promptly.

Cost Saving

Unlike the usual molds, we use sand casting to build our molds, which saves costs and allows us to react fast when there is a design change.

Best Quality

Our sand casting production system produces a prototype of superb quality. Once the precision-processing stage is completed, the results exceed the level of ordinary prototypes. The end result is a completed optimal quality product that will realize all of the performance and functional objectives envisioned by the designer.

Prototypes

Automobile parts



Cast products



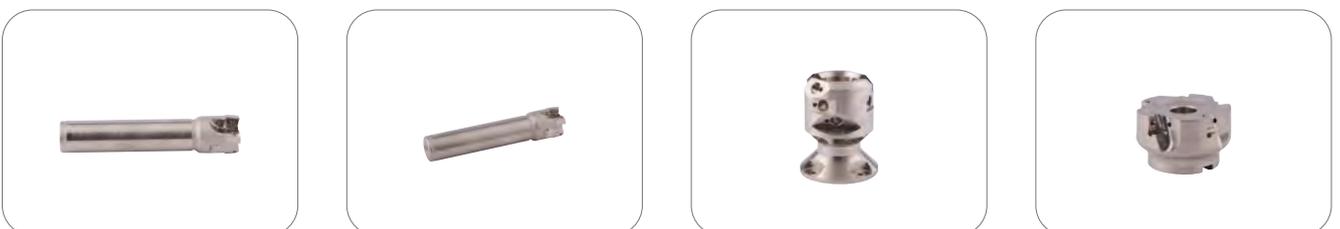
Gears and impellers



Defense and aviation products

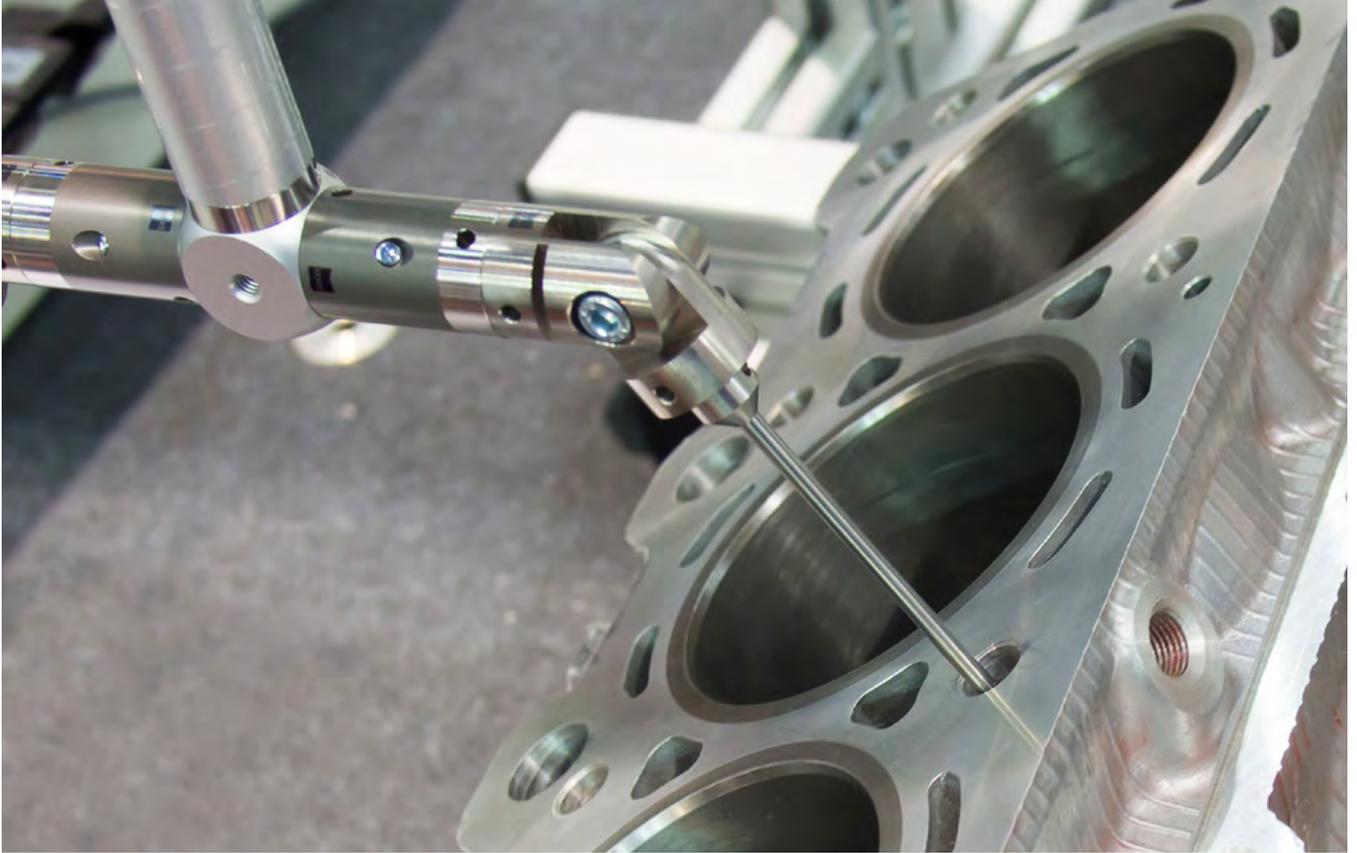


Tools



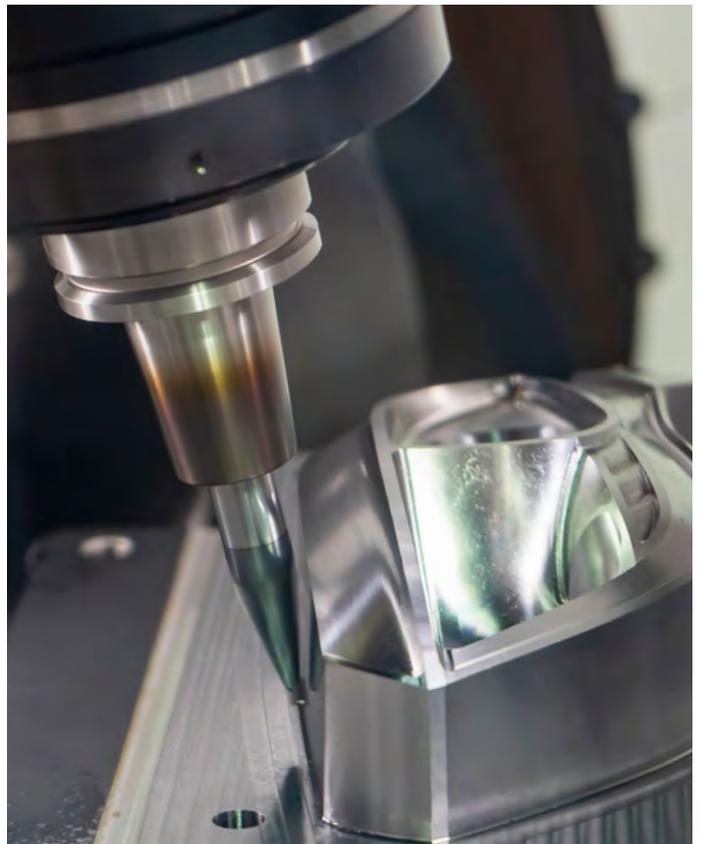
- About Us
- Business Areas
- Product
- **Facility**

Facility Inventory



Keyproto Co., Ltd. makes the best product with a variety of machines, measurement instruments, and software programs.

In particular, our 5-axis machining tools overcame the limitations of the previously existing 3-axis processing equipment, allowing us to make highly sophisticated and precise products, contributing to providing higher efficiency for the cost and enhancing the stability of processing and productivity. Through this process, Keyproto Co., Ltd. has reached an unrivaled position as a processing company and are working tirelessly to build more efficient and higher quality products.



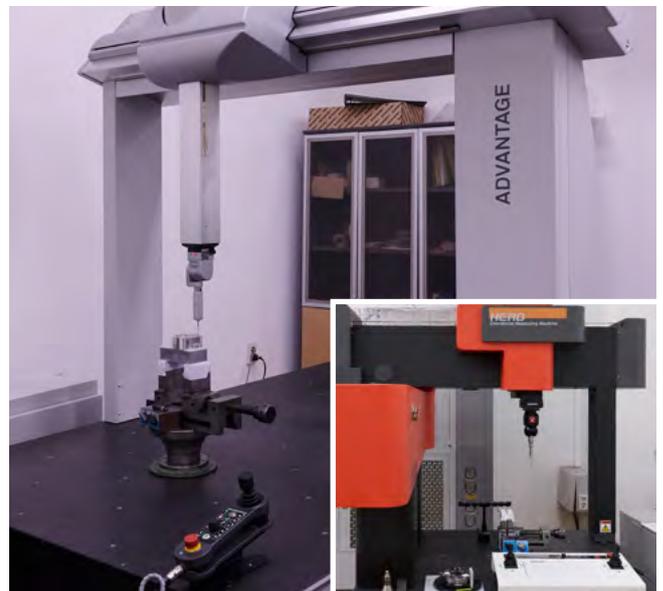
Mechanical Equipment

Name of the equipment	Model	Quantity
5-axis processing machine	HSC75 Linear	1unit
	DMU95 monoBLOCK	1unit
	DMF260	1unit
	HSC20 Linear	1unit
	DMU50(New model)	2unit
	HSC55 Linear	1unit
	ULRTASONIC 55 Linear	1unit
	DMU60 monoBLOCK	1unit
	DMU70 champion	2unit
	DMU80 duoBLOCK	1unit
	DMU100 monoBLOCK	1unit
	C32U(HERMLE)	1unit
	C250(HERMLE)	1unit
3-axis processing machine	NVX5080	3unit
	DMC635V	2unit
	SIRIUS-UL+	1unit
	SIRIUS-UL	1unit
	SIRIUS-UX	1unit
	SIRIUS-UZ	1unit
	a51nx(MAKINO)	1unit
CNC lathe	PUMA-240	1unit
	PUMA-240M	1unit
	NL2000	1unit



Measurement Instruments

Name of the equipment	Model
3-dimensional coordinate measuring instrument	GLOBAL ADVANTAGE
	SIGMA 8127N
	HERO 665N
Measuring equipment	CV-310054
Round tester	SS-R
Surface Roughness Tester	SURFCOMS NEX



Software

Model	Version
CATIA	R20
NX	NX12
POWER MILL	2018
HYPERMILL	2023

We will be your best partner.

We guarantee that we will provide you with competitive prices and high-quality products. We will do our best to earn and maintain our customers' trust and ensure customer satisfaction.

Quality Enhancement, Acceleration of Growth

Keyproto, a company that creates the
highest quality and values

KEYPROTO

HQ

166, Goryeom-gil, Cheongbuk-eup,
Pyeongtaek-si, Gyeonggi-do, Korea
Tel. 82-31-686-5851~2 Fax. 82-31-686-5854

R&D Center

46, Dongtansandan-10-gil, Hwasung-si,
Gyeonggi-do, Korea
Tel. 82-31-8003-9030 Fax. 82-31-8003-4644

