

# Precision Machined Parts

## Custom CNC Machining Services



**LPR GLOBAL**

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# Precision Machined Parts

## Contract Manufacturing Services

We are an industry leader providing high precision machining services for over 40 years serving a wide range of industries and clients. Our state-of-the-art facility in South Korea is ISO 9001, ISO 14001, TS16949 and AS9001 certified. We specialize in serving the automotive, aerospace, medical, machine and machine tool manufacturers, among others. Our product categories include the precision manufacturing of tool holders and bushings for machine tool manufacturers; gears, brackets and aircraft aluminum components for aerospace; micro cutters, plates, and surgical components for the medical industry; and tooling development of forging dies and stamping dies for the automotive industry.

## Industries

- Aerospace
- Automotive
- Machine & Machine Tool Manufacturers
- Medical, Dental, Surgical
- Oil & Gas
- Power Generation & Energy

## Finishing Processes

- Stress Relieving
- Hardening / Tempering
- Carburization
- Passivation
- Laser Marking
- Anodizing, Plating, Coating

## Materials

- Aircraft Alloys (AISI 4130, 4340, etc.)
- Titanium / Titanium Alloys
- Carbon Steel
- Stainless Steel (304, 316, 420, 440C, etc.)
- Aluminum / Brass / Nickel / Copper
- Medical Polymers, Engineering Polymers (PEEK)
- Bioceramics
- Composites

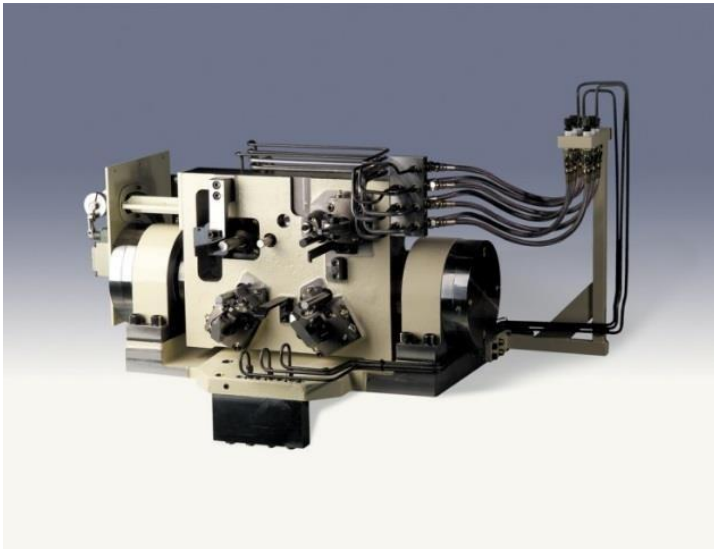


Precision Machined Shafts & Gear Hobbing

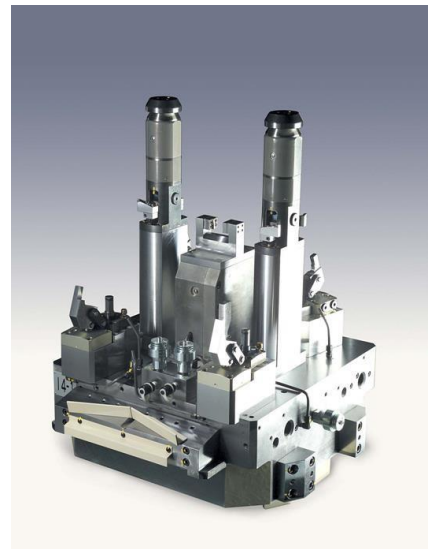
# Automotive Industry

## ■ Tooling, Dies, Workholding Jigs & Fixtures

Past projects in the automotive industry include various tooling such as the development of stamping dies for chassis components, forging dies (SKF bearings, Hyundai CV joints), and various workholding jigs and fixtures for automotive parts manufacturing.



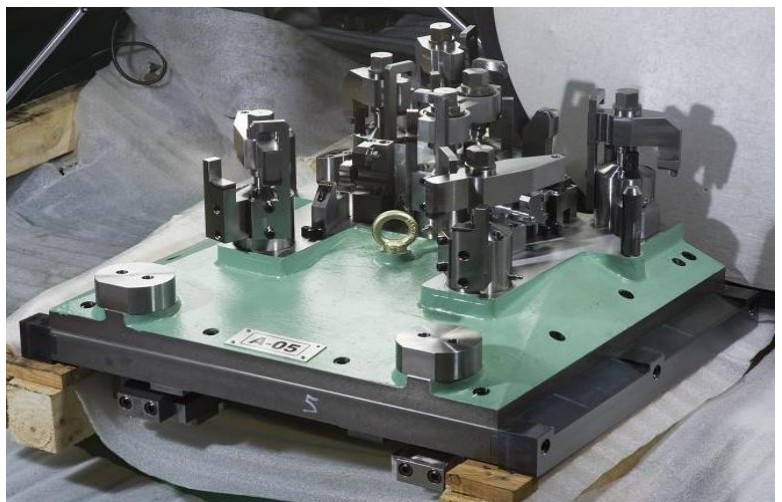
Tilting Jig for Workholding Fixture



Engine Block Fixture



Cylinder Block Processing Fixture



Jig for Steering Knuckle

# Machinery & Machine Tool

## OEM Precision Machined Parts

Our machinery and machine tool clients include global companies such as Mazak, Caterpillar, Toshiba, Hyundai-Wia, and Doosan Infracore. Our facility is capable of producing a wide range of parts including highly precise machine tool components (bushings, shafts, tool holders/exchangers, gears) and industrial machinery parts.



Machine Tool Holders / Tool Changers



Heavy Industrial Machinery Gears



Bushings and Machine Parts



Precision Shafts

# Medical Industry

## Medical Devices, Dental Instruments, Surgical Components

We provide precision machining services for machinery and equipment used in the healthcare industry as well as manufacture medical devices and surgical components out of various biocompatible materials such as bioceramics, titanium alloys, stainless steel, and medical polymers.



Medical Devices - Bone Fixation Plate Systems



CNC Machined Medical Equipment Components



Precision Machined Orthopedic Hip Joint Implant

# Facility Equipment

## Manufacturing Equipment List

Manufacturing Equipment	Qty	Maker
5-Faced Plano Milling Machine	1	Mitsubishi
Horizontal Boring Machine	3	DIXI (Switzerland), Toshiba
Vertical Boring Machine	2	SIP
Horizontal Machining Center	9	Mazak, Daewoo, Hyundai-Wia, Makino, Kitamura, Wia, Samsung Techwin
Vertical Machining Center	8	NTC, Enshu, Mitsubishi
Surface Grinder	1	Woojin
Milling Machine	2	KIHEUNG, Naksung
CNC Lathe	2	Korean Machine Too, Daewoo
Internal & External Grinding Machine	4	Tongil, Wia, S&T
Lathe Machine	2	Tongil
Complex CNC Lathe	1	Mazak
Drilling Machine	1	Nambuk
Column-Type Surface Grinder	1	Okamoto Machine Tool Works



# Facility Equipment

## Manufacturing Equipment List

Equipment	Qty	Maker
3D Coordinate Measuring Machine	4	Carl Zeiss, Mitutoyo
2D Height Measuring Machine	6	Mahr Metrology, Tremos, Mitutoyo
Roundness Measuring Machine	2	Taylor Hobson, Tokyo Seimitsu
Contour Measuring Machine	1	Mahr Metrology

## Gauges

Height Gauges, Block Gauges, Long Block Gauges, Portable Surface Roughness Testers, Micrometers, Cylinder Gauges, Inside Micrometers, Vernier Calipers, Black Granite Surface Plates





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