

SY Nanotech, an Ultra Precision Machining Leader

Ceo Message

GLOBAL COMPANY

A competitive company leading the ultra-precision parts manufacturing industry

Welcome to the website of SY Nano Tech Co., Ltd.

SY Nanotech Co., Ltd. has pursued new technologies with an unyielding spirit that embraces challenges and commits to producing quality products that consistently achieve customer satisfaction.

Since its foundation in 1992, SY Nano Tech Co., Ltd. has continuously researched and developed the production of automobile parts, hydraulic parts, defense vehicle parts, electronic parts, and other small ultra-precision parts. SY Nano Tech Co., Ltd. has pursued customer satisfaction management by introducing a 24-hour automated CNC multi lathe production operation system, responding quickly to customers, lowering product prices to competitive levels, securing excellent quality and technology, and gaining the trust of customers.

We promise that SY Nano Tech Co., Ltd. will continue to serve its customers and maintain their trust. In addition, we will not be complacent with our current profits, but will do our best to become a world-class company in the field of ultra-precision parts processing in the 21st century by securing international competitiveness through the continuous development of new technology and products.

We would appreciate it if you would continue to show your warm interest in SY Nano Tech Co., Ltd. and give us your generous guidance and encouragement.

CEO Lee Su-wook



3.62 billion

4.48 billion

1992

2000

2013

2014

2015

2016

2017~19

2020

- Founded Sangyun Precision

- Relocated factory to Gimhae-si

- Incorporated as SY Nanotech Co., Ltd.

- Inna-Biz
- Venture Enterprise
- Part material specialized company
- TS16949
- ISO14001
- ISO9001

- R&D center
- Certified as a clean workplace
- Became qualified as a military service exemption business
- Increased capital (KRW 200 million)
- Selected as an excellent company in a technology evaluation

- Developed parts for Hyundai Wia 4-wheel drive system
- Selected as an excellent company in a technology evaluation

- Registered as an affiliate company of Hyundai Motors (2nd)
- Selected as an excellent company in a technology evaluation
- Registered patents
- Implemented process improvement projects

- Introduced a smart factory system
- Completed RND process improvement
- Certified as a promising export SME
- Registered patents
- Escrowed technologies
- Selected as an excellent company in a technology evaluation

HISTORY

Certificates and Patents Acquired



6.46 billion

7.60 billion

8.00 billion
(Estimated)

Aiming for
10 billion

2021

- Introduced an articulated robot
- Awarded Million Dollar Export Tower (by the President of the Republic of Korea)
- Received a commendation from the Minister of Trade, Industry and Energy
- Received a commendation from the Korea Enterprises Federation
- Expanded processing facilities by KRW 3 billion
- Selected as an excellent company in a technology evaluation
- Certified as a Main-Biz

2022

- Introduced two collaborative robots
- Selected as an Excellent Manufacturing Robot Plus Workplace
- Presented at the demonstration of excellent workplaces
- Registered patents
- Introduced the cleaning system of Yaskawa Motoman
- Established an automation system

- Received a commendation from the Head of Gyeongnam Regional SMEs and Startups Office
- Awarded the grand prize in the new technology sector
- TSQ-certified
- Selected as an excellent company in a technology evaluation

2023

- Introduced the smart tool count system
- Processed electric vehicle parts
- Awarded as an excellent company in the Smart Factory Establishment Support Project (Silver Award)
- Selected as a Data Voucher Business
- Obtained T5 grade in a technology evaluation

2024

SYSTEM INTRODUCTION

With a 24-hour automated mass production system using automatic CNC multi lathes, we are ceaselessly taking on challenges, pursuing new technology and mass-producing excellent products that satisfy our customers.

Robot Application System



Current Status of Production Equipment

Model(Classification)	Specifications	Manufacturer	Quantity	Remarks
Automatic CNC Lathe	XD-38H	Hanwha TechM Co., Ltd.	7 EA	IKURA SEIKI (S12AH)
Automatic CNC Lathe	XD-35H	Hanwha TechM Co., Ltd.	7 EA	BAR LOAD (STG)
Automatic CNC Lathe	XP-12	Hanwha TechM Co., Ltd.	10 EA	IEMCA, IKURA SEIKI
Automatic CNC Lathe	SL-26H	Hanwha TechM Co., Ltd.	3 EA	IEMCA (MINI BOSS-325)
Automatic CNC Lathe	SL-20	Tsugami Korea Co., Ltd.	10 EA	Introduced new equipment in June 2021
Automatic CNC Lathe	JSL-32AB	JINNFA (Taiwan)	2 EA	BAR LOAD (BFG)
Automatic CNC Lathe	SNP-17	Hanwha TechM Co., Ltd.	1 EA	BAR LOAD (BFG-35)
Automatic CNC Lathe	XD-20H / SL-20H	Hanwha TechM Co., Ltd.	12 EA	IEMCA (MINI BOSS-325)
CNC Lathe	KIT-450 (6"), kt250	Hyundai Wia Co., Ltd.	2 EA	6" GANG TYPE
Automatic Lathe	Articulated (4-Axis/6-Axis)	STAR,TOYOSEKI (JAPAN)	2 EA	CAM TYPE
Table Lathe	DH-32 DK-32	Donghyup/Dongguk (Made in Korea)	6 EA	Dedicated equipment
Robot (Industrial/Collaborative)		YASKAWA / Hyundai / Doosan	4 EA	2 collaborative robots, 1 articulated robot, 1 cleaning robot
Surface Grinder	DSS-525	DAESAN	1 EA	
Centerless external grinding machine	KCG-200	Nippei (Made in Japan)	3 EA	
Cutter Grinder	BG-2 / KJ-7	JAPAN / Taiwan	4 EA	
Centrifugal Barrel	HZ 80	Daechang Precision Co., Ltd.	2 EA	
Vibrating Barrel Machine	VEG-699	TSUKISHIMA KIKAI (TOKYO)	1 EA	
Ultrasonic Cleaner	-	Shinhan-Sonic Co.	1 EA	
Automatic Sorting Equipment	-	SYNANOTECH CO., LTD.	6 EA	Registered utility model (patented)
Table Drilling Machine	YSDM-100	Yongsoo Precision Ind., Co.	4 EA	
Local Exhauster	OIL-MIST		3 EA	
Air Compressor	MICOS 37V		4 EA	





Current Status of Quality Measurement Equipment



Quality Control

We will continue our efforts to become a company trusted by customers by establishing a system for the best quality assurance service and quality satisfaction.



Current Status of Inspection Equipment

Instrument Name	Measurement Range	Maker	Model	Quantity
3D Measuring Instrument	700 * 1000	ZEISS	CONTURA 7106 AKTIV	1 EA
Roundness Tester	±400μm, ±40μm, ±4μm	MITUTOTY	MJ211-513K	1 EA
Contour Measuring Station	Profile and dimensions	MAHR	MARSURF XC-2	1 EA
Image measurement system	Dimensions	KEYENCE KOREA	IM-7020 Series	1 EA
Toolmaker's Microscope	Appearance, dimensions and profile	OLYMPUS	STM6-F21-3	1 EA
Linear Height	Dimensions	MITUTOTY	LH-600	1 EA
Optical Comparator	Profile and dimensions	MITUTOTY	PH-3515F / PJ-3000	2 EA
Zoom Stereo Microscope	Appearance	OLYMPUS	SZ51 / SZ61	3 EA
Digital Dial Gauge	Dimensions	MITUTOTY	NA543-010S	2 EA
Surface Roughness Tester	Surface roughness	MITUTOTY	MJ178-451K, SJ-310	2 EA
Vernier Calipers	Dimensions	MITUTOTY	0~150mm	20 EA
Micro Metar	Dimensions	MITUTOTY	0~25, 25~50mm	10 EA
Push-pull Gauge	Tensile strength	IMADA	FB30K (30kgf)	1 EA
Cutting Machine for Specimen			TM-CMM100	1 EA
Precision Surface Plate		TEST MATE		4 EA
Bench Center		2000 * 1000		2 EA
Automatic vision inspection equipment				6 EA

PRODUCT

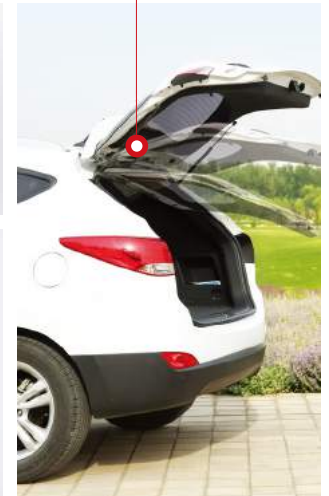
Automobile Parts



Electric Vehicles & Hybrid Vehicles



- Aluminum TUBE
- Long bush
- GUIDE VALVE IN/EX



PRODUCT

Oil Pressure
Component



Hyciraulic Part Ass'y



Best **Technology** · Best **Facilities**
Future Oriented **Driving Force** of SY Nanotech



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