

G E A R



www.taeyounggear.com

TAEYOUNG

HI-TECH

- Straight Bevel Gear
- Spiral Bevel Gear
- Hypoid Gear
- Helical Gear
- Spur Gear



642-370
61-23, Banwol-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do
(Shinchon-dong), Korea
Tel: +82-55-253-1491, Fax: +82-55-282-1492
Web site: www.taeyounggear.com

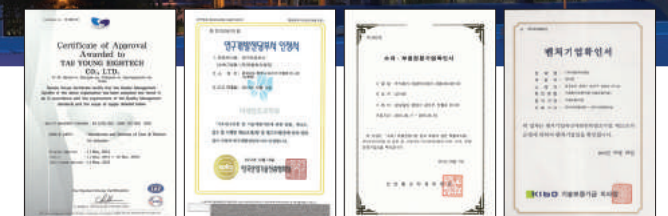
CEO Greetings

Company History

Taeyoung Hi-Tech Co., Ltd. is a gear manufacturer for automobiles, agricultural machines, vessels, industrial equipment, reducers, and other power transfer units. Based on its 20-year manufacturing experience and knowledge, we are making ceaseless efforts to develop technology and improve quality in order to succeed. To respond to your requirements, we are starting on a new endeavor with the vision of 2015 “Major Innovation '20.”

As a reliable partner, we promise the following core values: customer priority, best quality, and better service.

Mi Wan Kim, CEO



- 2015
 - 12 Participated in the development of the bevel gears of S&T Heavy Industry (for Korando of Ssangyong)
 - 11 Produced bevel gears for S&T Heavy Industry (for K2 armored vehicle)
 - 10 Registered subcontractor for S&T Heavy Industry
 - 08 Participated in the development of the gears of S&T Heavy Industry (combined smoke bomb)
- 2014
 - Certificate of material and part business 06
 - Produced gears for S&T Heavy Industry (combined smoke bomb) 05
 - Produced bevel gears for S&T Heavy Industry (for K2 armored vehicle) 05
 - Participated in the development of the bevel gears of S&T Heavy Industry 05 (for the LS Mtron and TU models)
- 2013
 - Certification for an R & D—dedicated department 12
 - Supplied gears to Nippon Steel Corporation 11
 - Certificate of ISO 9001 05
 - Registered to a venture association 02
- 2012
 - 10 Supplied bevel gears for reducer to Hyosung Heavy Industry
 - 08 Supplied gears for steel-making equipment to Hyosung Heavy Industry (POSCO)
 - 07 Produced bevel gears for LS Mtron
 - 06 Registered as a venture business
 - 04 Established Taeyoung Hi-Tech Co., Ltd.
- 2011~2006
 - Produced bevel gears for Kukje Agricultural Machinery 2010. 07
 - Developed/produced the OSHKOSH hypoid gear 2008. 04
 - Produced the hipoid gear 2007. 01
 - Established Taeyoung Bevel Gear 2006. 08



Accepting challenges and working toward innovation to create the values of the future

Major Innovation '20



**Vision 2020
Major Innovation '20**

Management Philosophy

Taeyoung Hi-Tech makes its utmost efforts to provide the best technology and service to its customers while responding to the changing trend of the global market for mutual benefit.



Customer

Satisfaction
Trust
Mutual benefit



Technology

Better quality
Technical innovation
Technical service



Global

Global standard
Technological paradigm
Market trend

Management Policy

For another endeavor, Taeyoung Hi-Tech is growing and evolving based on five policies.



Ethical compliance



Customers' trust



Coexistence of labor and management



Global system



Technical innovation



Core Values

Based on 5M (mindset), to implement the management philosophy and policies, all executives and employees are jointly enhancing customers' satisfaction through quality and technology.

Customer Priority

Pay attention to the customers to show sincerity.

Excellent Technology and Service

Our current aim is excellent technology, and service quality is our future goal.

Respect between Labor and Management

Consideration, good communication, and constant exchange of ideas build trust.

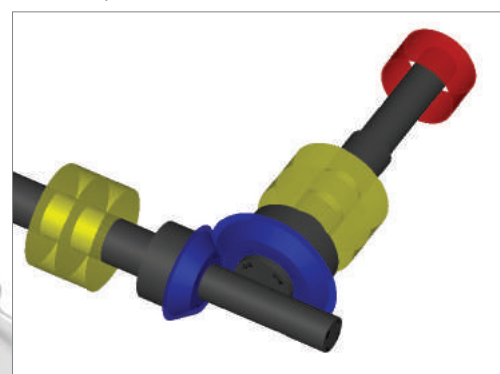
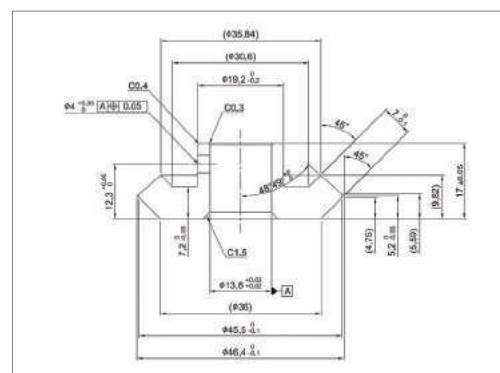
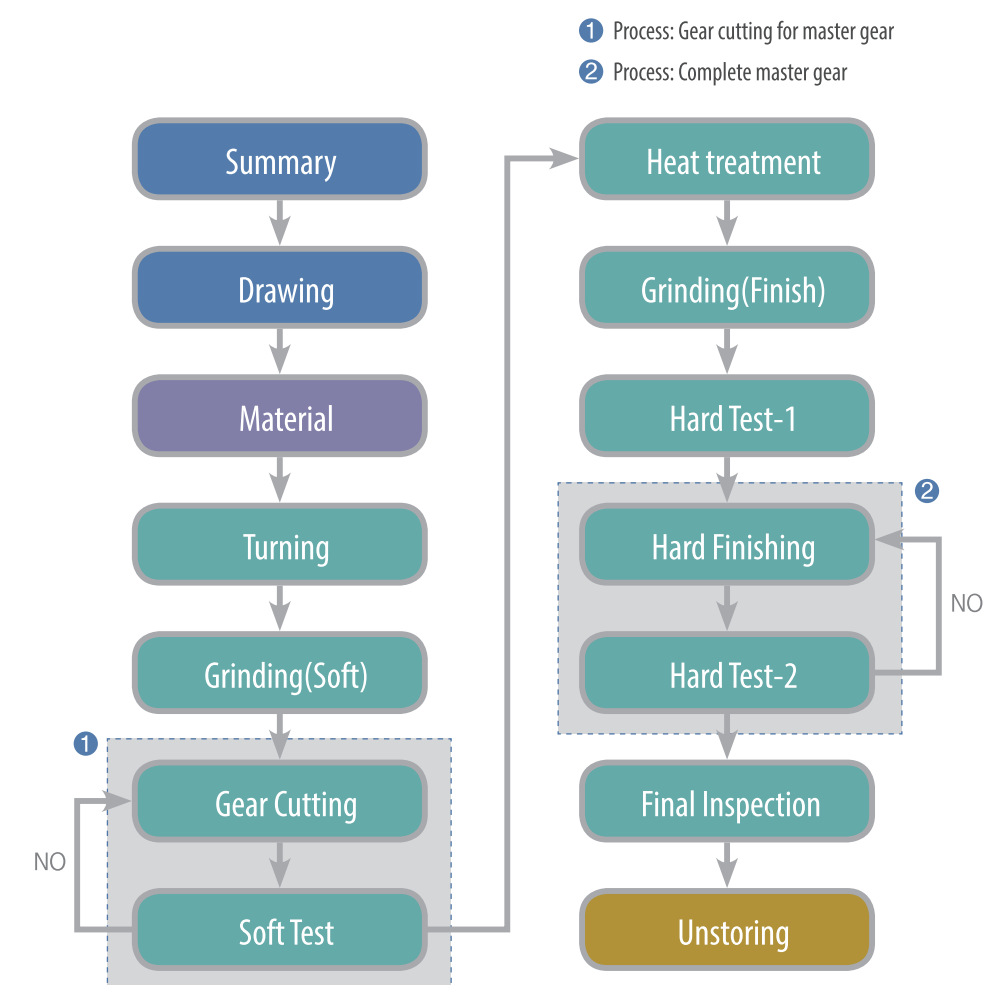
Global Thinking

Technical vision is based on interest in and understanding of global change.

Technical Creation

Look, listen, imagine, and work to create something new.

Bevel Gear Process





Best Quality and Service

Taeyoung Hi-Tech Co., Ltd. has the equipment and technology to manufacture different products, including industrial gears, and is making its utmost efforts to provide the best quality and service.

Bevel Gear

Straight bevel gear

Size	Maximum, M25
External diameter	Maximum, Φ800



Spiral bevel gear

Size	Maximum, M18
External diameter	Maximum, Φ800



Hypoid gear

Size	Maximum, M18
External diameter	Maximum, Φ800



Cylindrical Gear, Etc.

Spur Gear

Size	Maximum, M25
External diameter	Maximum, Φ2000



Helical Gear

Size	Maximum, M25
External diameter	Maximum, Φ2000



Worm Gear

Size	Maximum, M20
External diameter	Maximum, Φ2000



Spiroid gear (under development)

Size	Maximum, M10
External diameter	Maximum, Φ450





Equipment

Applications

■ Defense component



■ Agricultural machinery / automobile parts



■ Steel-making / manufacturing equipment components



Gear-cutting equipment



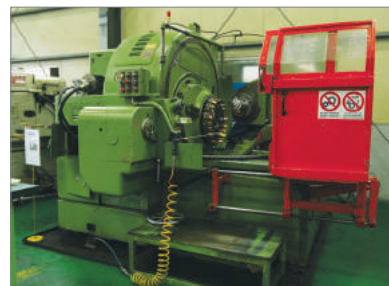
■ YH605B CNC Spiral Bevel Gear Generator



■ YH603B CNC Spiral Bevel Gear Generator



■ Spiral Bevel Gear Generator



■ Hypoid Gear Generator



■ Straight Bevel Gear Coniflex Generator



■ Lapping Machine

Test equipment



■ Bevel Gear Tester(Ø150~Ø800)



■ Bevel Gear Tester(Ø10~Ø350)

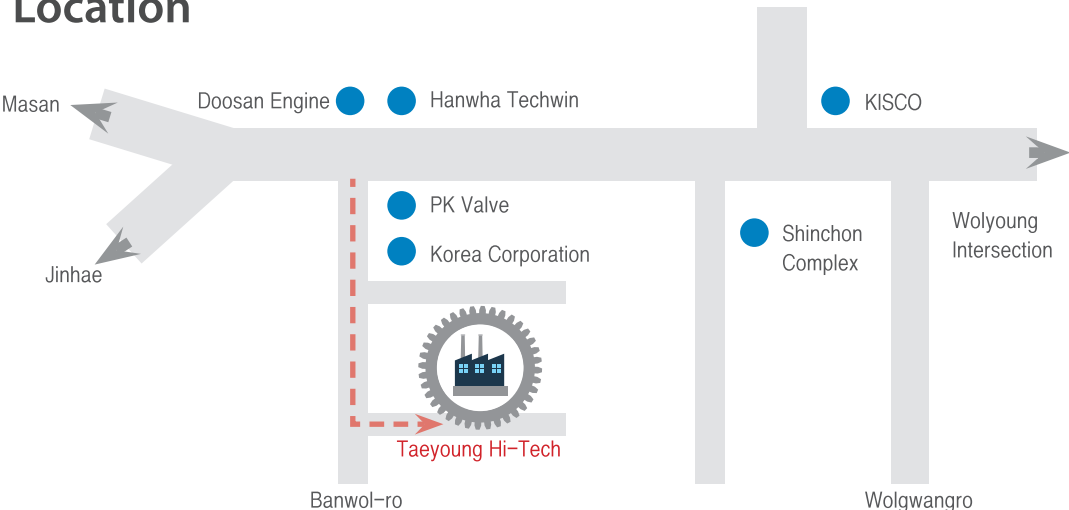
Equipment



Equipment

Name	Maker	Capability	Quantity
#16 Hypoid Gear Generator	GLEASON	M14, ~Ø450	8
#26 Hypoid Gear Generator	GLEASON	M16, ~Ø800	1
#28 Hypoid Gear Generator	GLEASON	M16, ~Ø800	1
CNC Spiral Bevel Gear Generator	TIAN JIN JINGCHENG MACHINETOOL	M4, ~Ø600	3
ZFTK 250/1 Hobbing Machine	WMW MODUL	M8, ~Ø500	1
Straight Bevel Miller	NIHON KIKAI	M20, ~Ø700	2
#14 Straight Bevel Gear Coniflex Generator	GLEASON	M8, ~Ø600	1
#24 Straight Bevel Gear Coniflex Generator	GLEASON	M20, ~Ø800	2
ZFTK 250×5 Straight Bevel Gear Generator	WMW MODUL	M7, ~Ø250	2
ZFTK 500×10 Straight Bevel Gear Generator	WMW MODUL	M10, ~Ø500	2
Lapping Machine	WMW MODUL	Ø50 ~Ø400	2
Bevel Gear Tester	GLEASON	Ø10 ~Ø1000	5

Location



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