

DAEHAN METAL





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- History
- Company Profile
- Ceritificate

- Manufacturing Profile
- Laboratoty Equipment
- Production Process
- Customers
- Productions

- Quality
- R & D
- Tenshin factory
- Environment Policy
- New Challenge

● Company Overview



Company

Daehan Metal

Established

1978. 10. 10

C E O

Choi Jong-won

No. of Employees

214 (Based on 2014)

Main Productions

Steering System PARTS / Transmission PARTS / Body PARTS

Factory

DHM Headquarters / 1Plant / 2Plant / 3Plant/ Tenshin Plant in China

Address

GyoungBuk GyoungSan-Si Jinrayng-Eup GongDan 8-Ro 39

Company View



대표이사 최종원

We are growing toward Global Top company
which creates new value with customers by a innovative technology and
the highest quality of automobile steering sector through **3 BEST INNOVATION**



Best *
Quality

Best *
Cost

Best *
Delivery



- 2014.08 Heat Treatment Plant
- 2014.03 Build Integrated Production System
- 2013.03. Integrated corporation DaeHan Metal Corp
- 2011.12 “Good to work GyoungBuk Award”
- 2010.10 4 Cold Presses expansion
- 2010.09 2 Plant, DaeHan Mold moved expansion
- 2007.10 Introduction New ERP and TPS
- 2007.01 Tenshin Plant/DaeHan Mold established
- 2006.05 Patent of Ball Case manufacturing method
- 2006.01 TS16949/ISO14001 acquired
- 2005.10 Patent of Cold Press Transfer Equipment
- 2003.05 Daehan Metal Corp established
- 2001.06 SQ acquired (HMC KIA)
- 2001.03 QS-9000
- 1998.08 ISO 9002
- 1998.02 Patent of Ball Joint manufacturing method/equipment
- 1978.10 Daehan Metal Established

Ceritification & Award



TS16949



**DET NORSKE VERITAS
MANAGEMENT SYSTEM CERTIFICATE**

Certificate No. CERT-1683-AQ-HOU-LATI
IATF Certificate No. 0918809
Page 1 of 1

This is to certify that the Quality System of
DAEHAAN METAL CO., LTD.

#1206-15, Sinsung-ri, Jinyang-eup, Gyeongsan-si, Gyeongsangbuk, Korea
Remote Surveillance Project Name
Has been found to conform to the following technical specification:
ISO / TS 16949:2002
having been audited in accordance with the
Relevant ISO / TS 16949:2002 - 2nd Edition.
This Certificate is valid for the following products/service ranges:
**MANUFACTURE OF COLD FORGING PARTS(Bolt, Ball-Stud, SHAFT,
CONNECTOR & PIN) FOR AUTOMOBILE**
EXCLUSION: 7.3 PRODUCT DESIGN AND DEVELOPMENT

Place and date:
Houston, Texas 02 February 2006
for the Bureau and Office:
DET NORSKE VERITAS CERTIFICATION, INC.

Management Representative
The Nordic Institute, Inc.

Audit Conducted by DNV Office located in Seoul, Korea

ISO14001



**DET NORSKE VERITAS
MANAGEMENT SYSTEM CERTIFICATE**

Certificate No. 0179-2006-AE-SEO-Rva
This is to certify that
the Environmental Management System
DAEHAAN METAL CO., LTD.

#1206-15, Sinsung-ri, Jinyang-eup, Gyeongsan-si, Gyeongsangbuk, Korea
Has been found to conform to the Environmental Management System Standard:
ISO 14001:2004, KS A ISO 14001:2004
This Certificate is valid for the following product or service ranges:
**Manufacture of Cold Forging Parts(Bolt, Ball-Stud,
Shaft, Connector & Pin) for Automobile**

Original Certification date:
January 23rd, 2006
Date Certificate is valid until:
January 23rd, 2009
Compliance to the Standard is
verified by the DNV approval
registered Team Leader
Seo Young Park
Last Auditor

Place and date:
Seoul, January 27th, 2006
for the Accredited use:
DNV CERTIFICATION B.V.,
The Netherlands

Management Representative

DNV NORWAY Veritas B.V. Management of Quality for Quality, Inc., No. 100-1014-00006, TEL: +82-31-30-179-114

CERTIFICATE

SQ 인증서

업 종 : 주 단 조
인증번호 : CF-131
회 사 명 : 대한메탈코프(주)
대 표 자 : 최 종 원

협력업체 품질평가 규정에 의하여
상기와 같이 SQ(업체 품질보증)
획득을 인증합니다.

Supplier Quality

2006년 09월 28일

■ 주 관 : (주)동아오토모티브
■ 후 원 : 현대·기아자동차주식회사

CERTIFICATE OF SUPPLIER QUALITY

SQ 인증서

회사 명 : 대한메탈코프(주)
대표자 명 : 최종원
사업번호 : 5150446995
인증등급 : B
업체 코드 : #44MH
인증일정 : 주단조
회사 주소 : 경북 청천군 진량읍 현내리 578-1

협력사 품질평가 규정에 의거
상기와 같이 SQ(협력사 품질보증)
요구사항에 적합함을 인증합니다.

2006년 09월 13일

■ 주 관 : 코일진 제 공장
■ 후 원 : 현대·기아자동차

PATENT









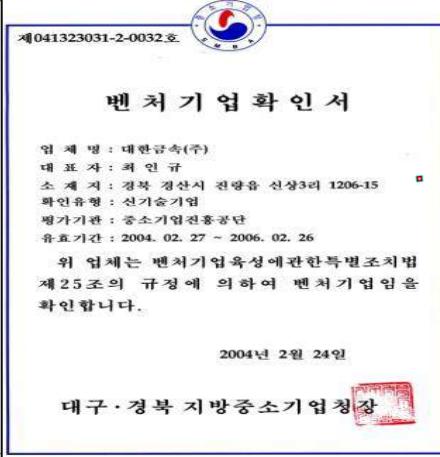
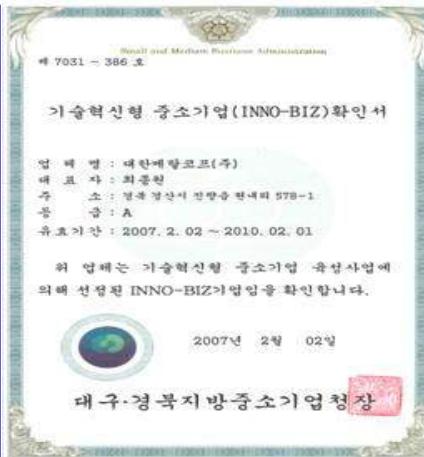




Ceritification & Award

DAEHAN

Ceritification



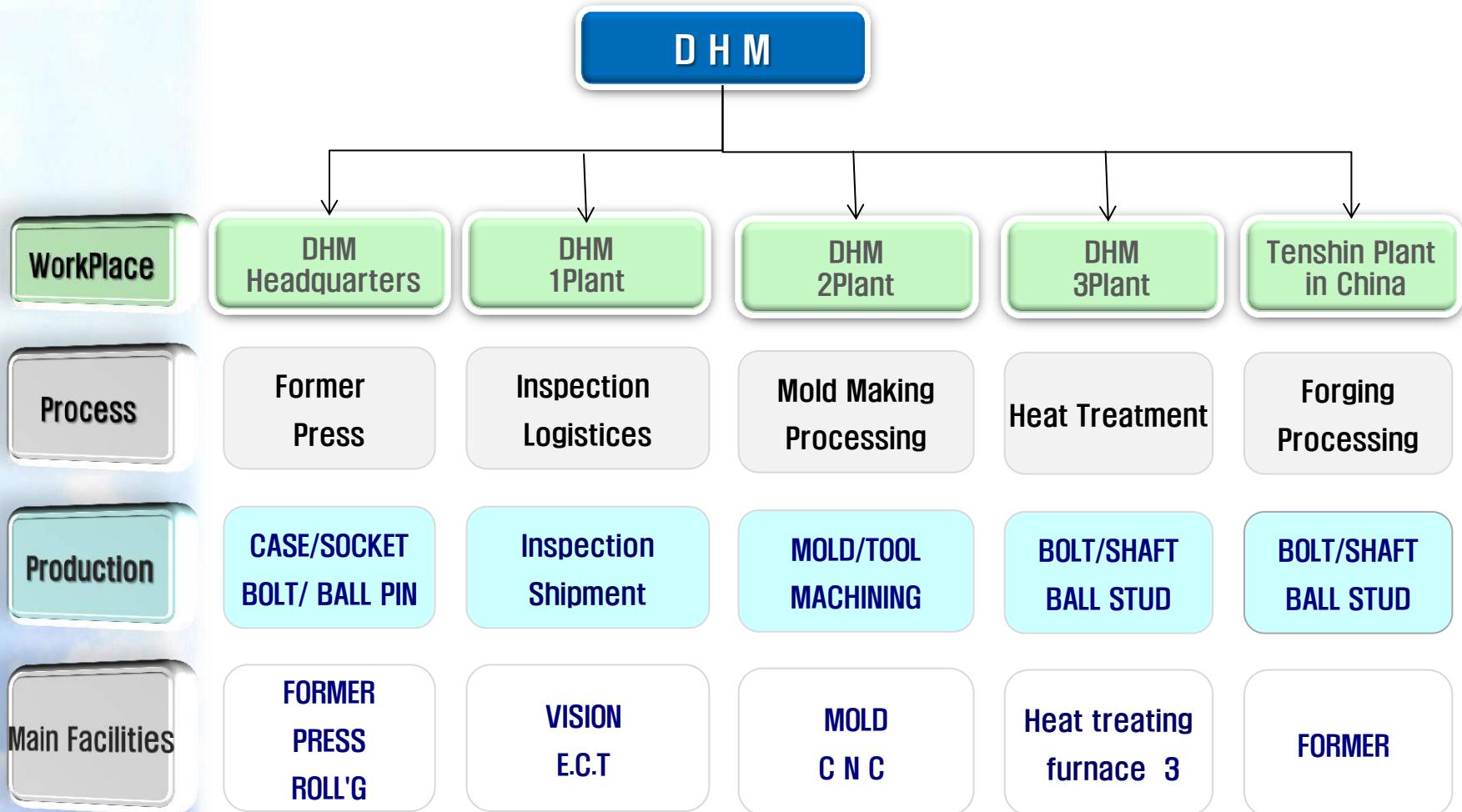
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소재전문기업

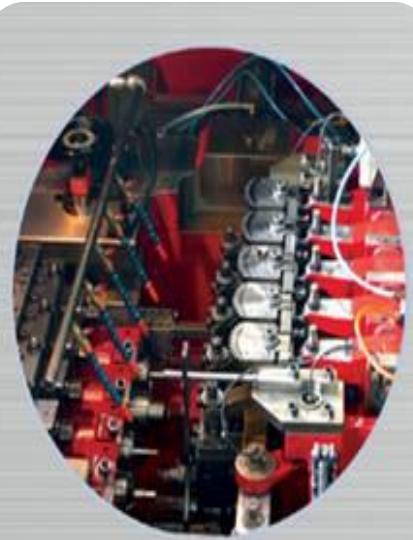
벤처기업



Company Profile



● Manufacturing Profile



FORMER

PRESS MC

ROLLING MC

Washer Ass'y MC

Polishing MC

Lapp'G, Burnish'G MC

C N C

Universal Lathe

Mill 'G & MCT

● Laboratory Equipment



**Universal Testing
Machine**

3D image measurement

Salt spray tester

**Magnetic particle
flaw detector**

**Coating thickness
meter**

**Metal
microscope**

**Component
analyzers**

CPM Program

MSC superforge

● Manufacturing Profile

FORMER

ROLLING MC

C N C

PRESS MC

Universal Lathe

Lapp'G, Burnish'G MC

Washer Ass'y MC

Mill'G & MCT

Pollshing MC



● Manufacturing Profile

FORMER

ROLLING MC

C N C

PRESS MC

Universal Lathe



Lapp'G, Burnish'G MC

Washer Ass'y MC

Mill'G & MCT

Polishing MC

● Manufacturing Profile

FORMER

ROLLING MC

C N C

PRESS MC

Universal Lathe



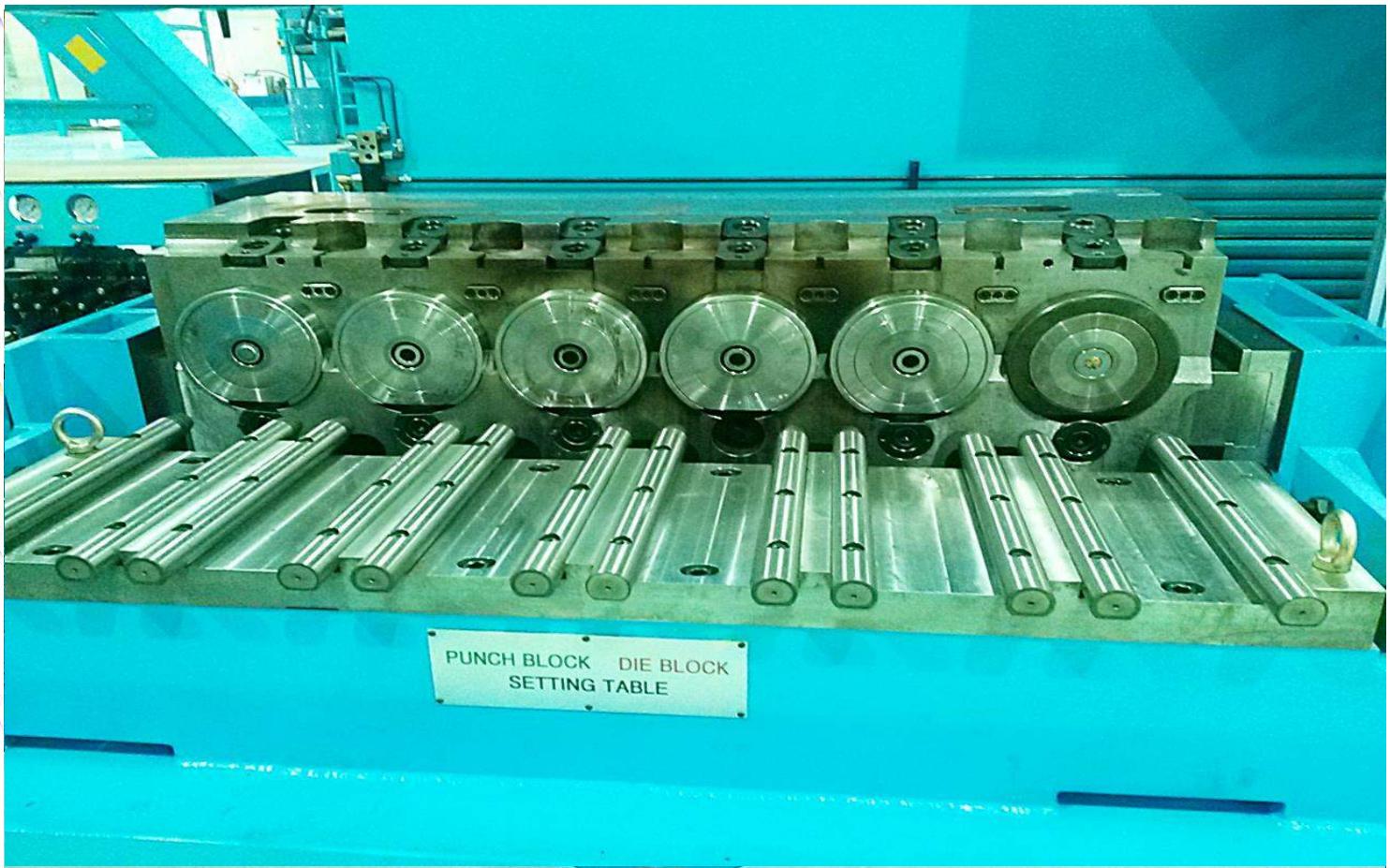
Lapp'G, Burnish'G MC

Washer Ass'y MC

Mill'G & MCT

Polishing MC

● Manufacturing Profile



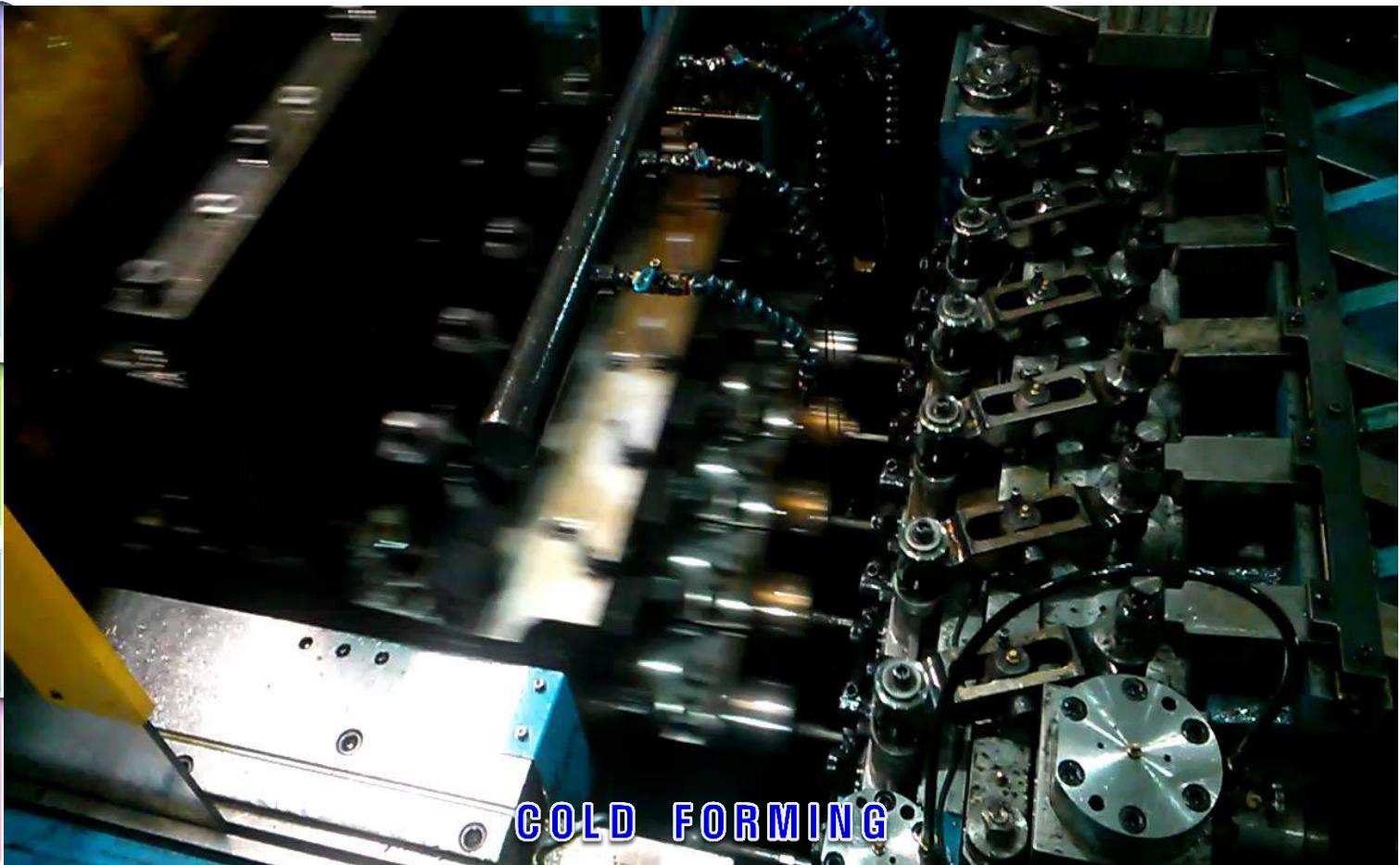
Lapp'G, Burnish'G MC

Washer Ass'y MC

Mill'G & MCT

Polishing MC

● Production Process



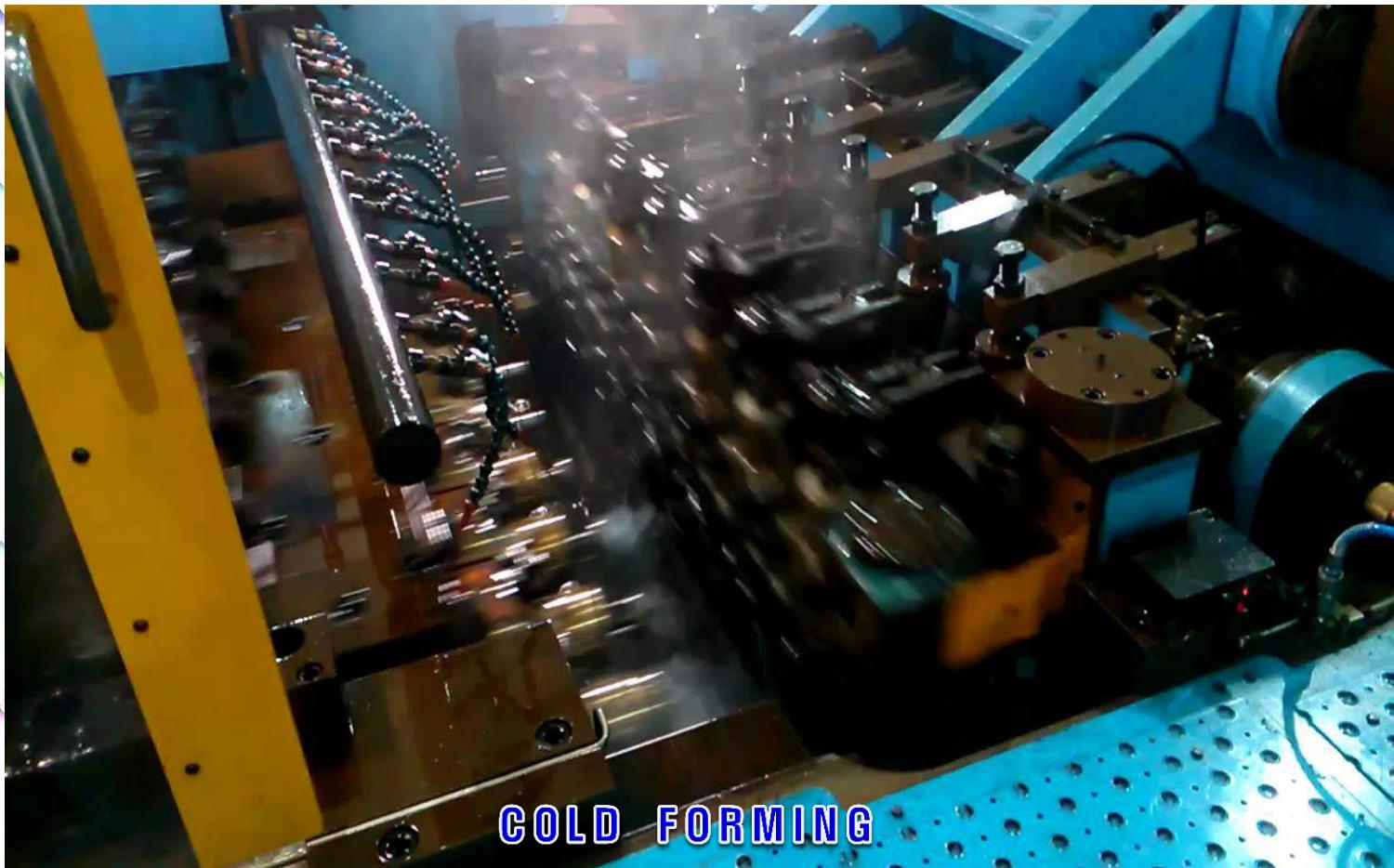
Lapp'G, Burnish'G MC

Washer Ass'y MC

Mill'G & MCT

Pollshing MC

● Production Process



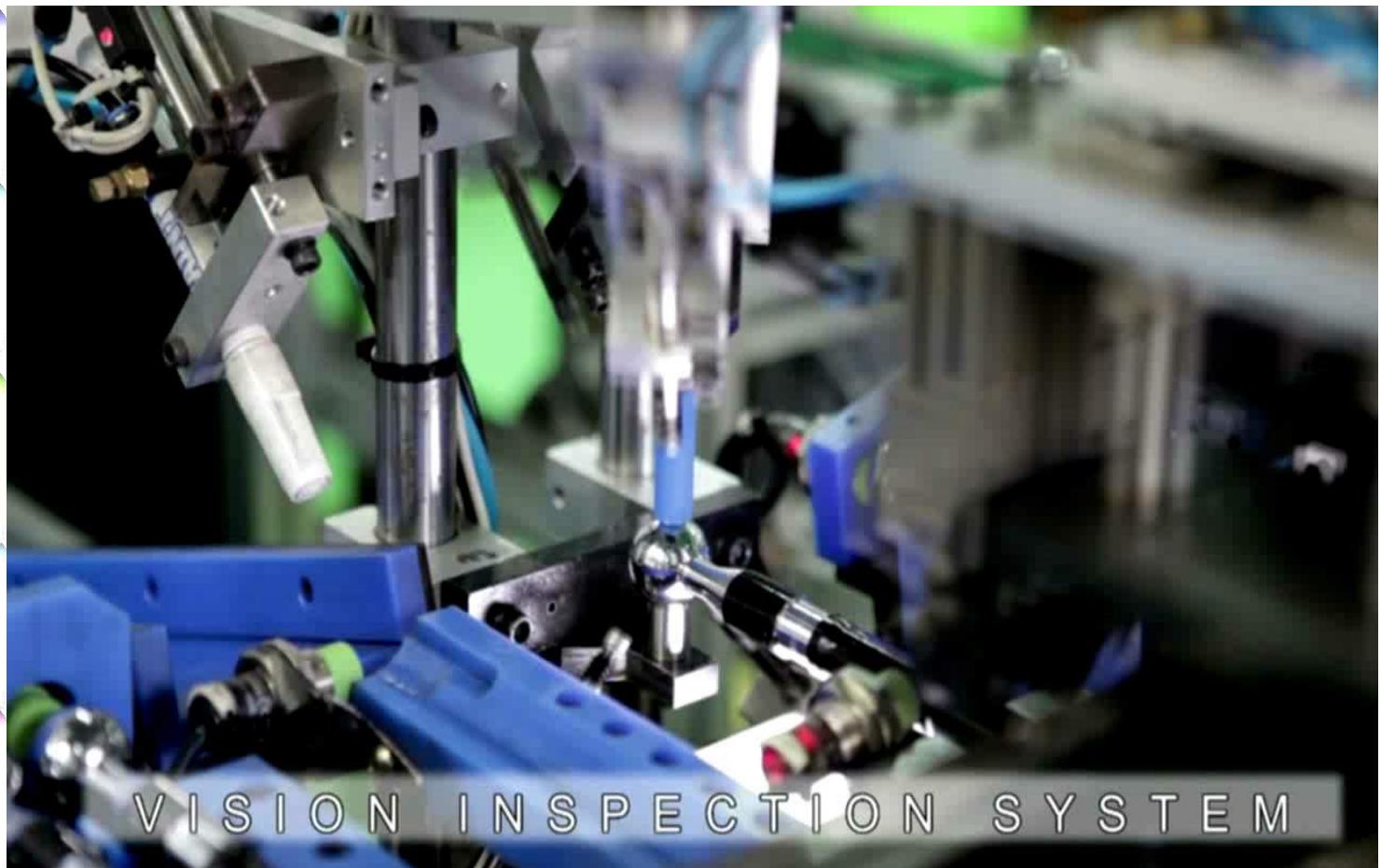
Lapp'G, Burnish'G MC

Washer Ass'y MC

Mill'G & MCT

Pollshing MC

● Production Process



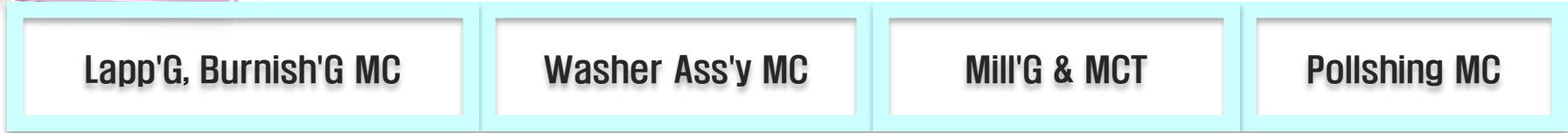
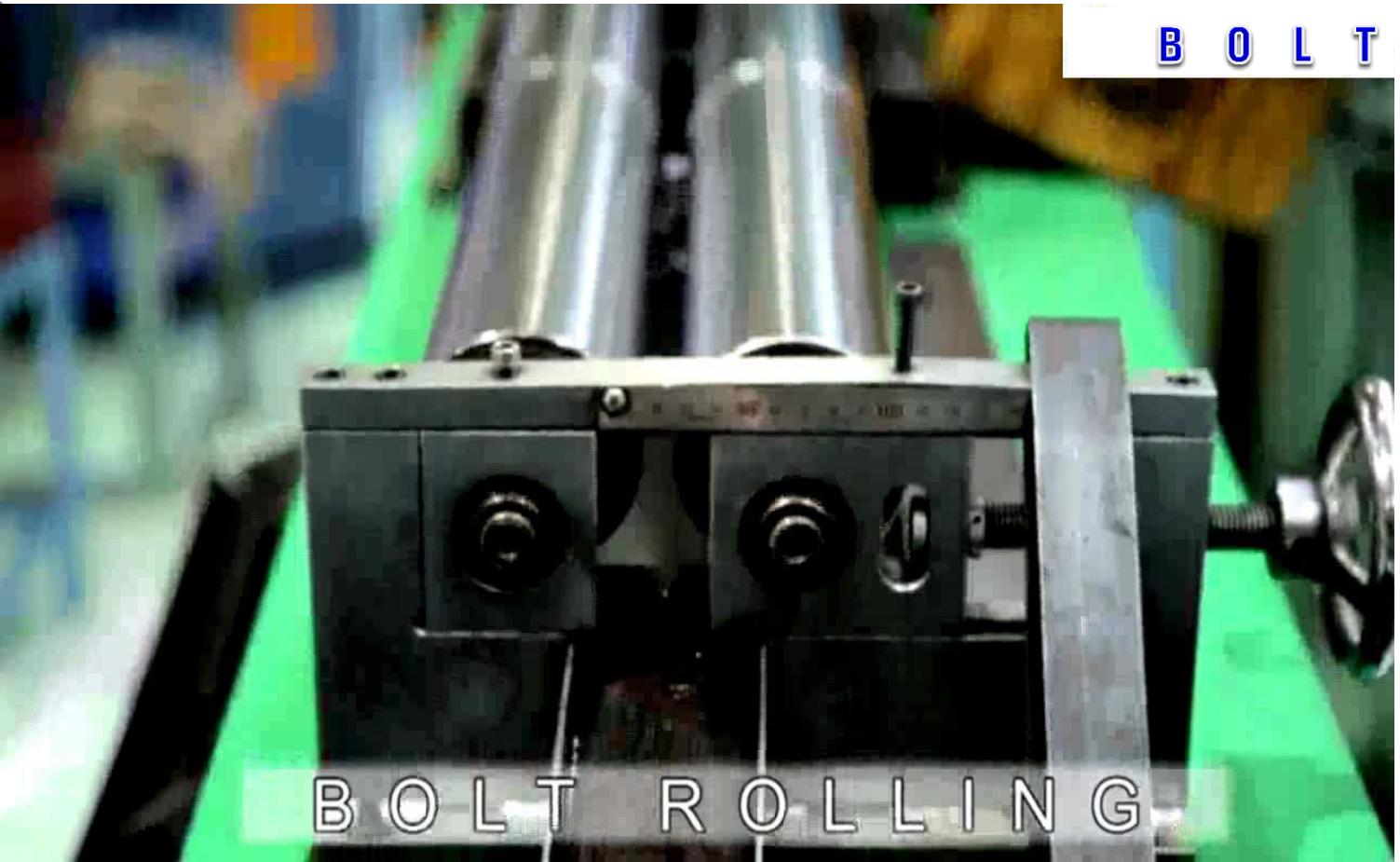
Lapp'G, Burnish'G MC

Washer Ass'y MC

Mill'G & MCT

Pollshing MC

● Production Process



Pride of DAEHAN METAL

Heat Treatment Plant

Heat treatment plant



Heat treatment plant



Heat treatment plant



MOLD Auto Rack System



금형 Auto Rack

Customers & Productions

● Customers

**HYUNDAI
MOBIS**

ILJIN

ILJIN

CTR

CENTRAL

Mando

MANDO

Kamtec

KAMTEC



ZF

**THK
RHYTHM**

THK RHYTHM

**FEDERAL
MOGUL**

Federal Mogul

SL Corporation

SL

seco

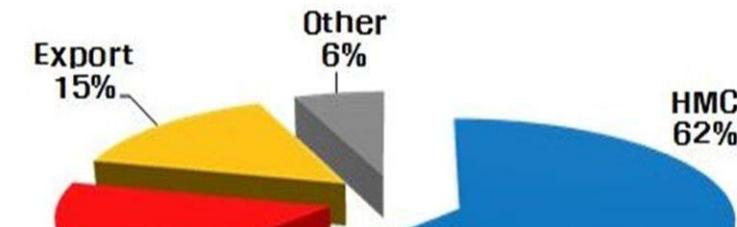
SUSHIN

ILJIN

CTR

Mando

Kamtec



■ HMC ■ KMC ■ Export ■ Other

**엠에스 오토텍
MS AUTOTECH CO.,LTD.**

MS AUTOTECH

Remy

REMY KOREA

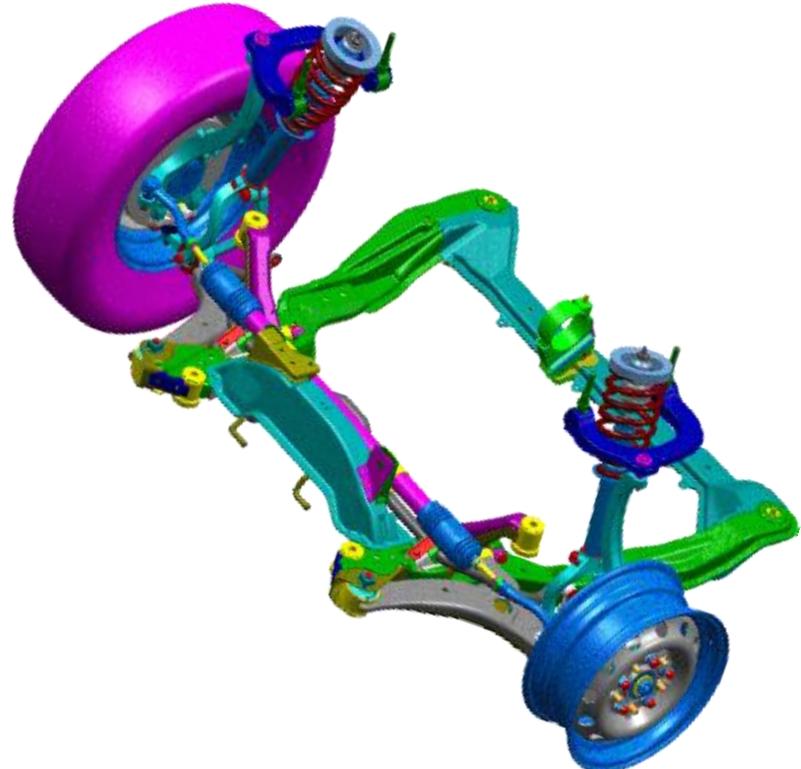
SEWON
Always best for you

SEWON

SHIN YOUNG

SHINYOUNG

Steering System Parts (Forging & Machining)

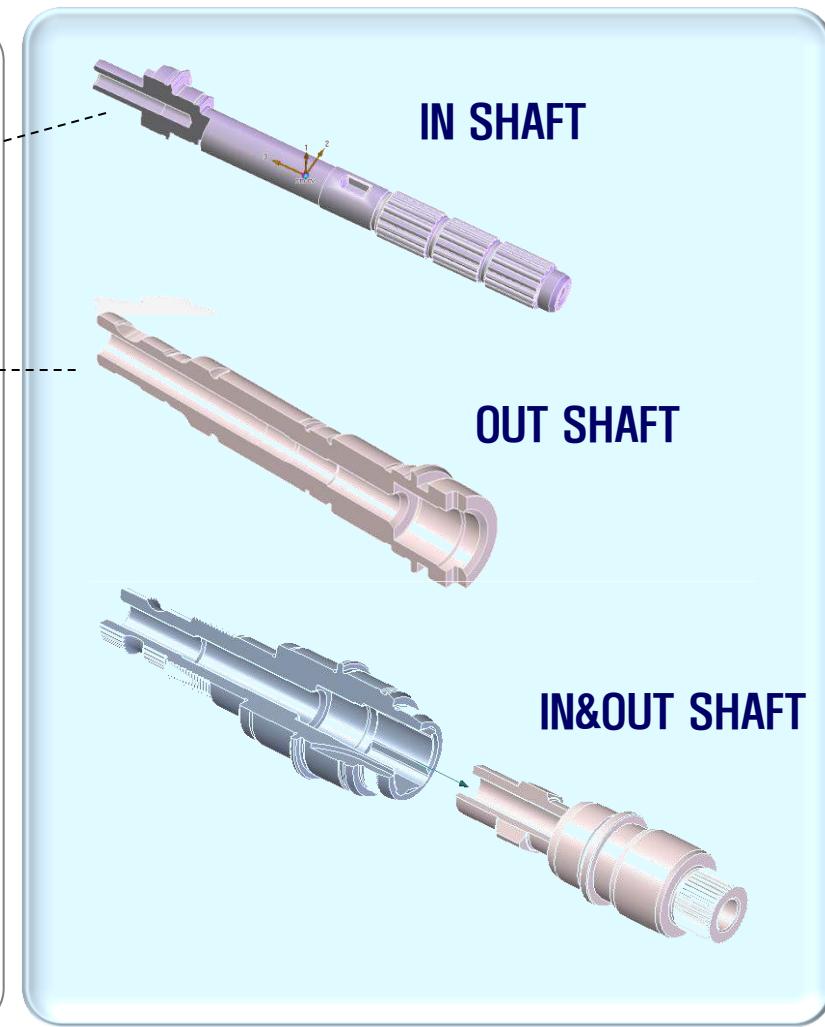
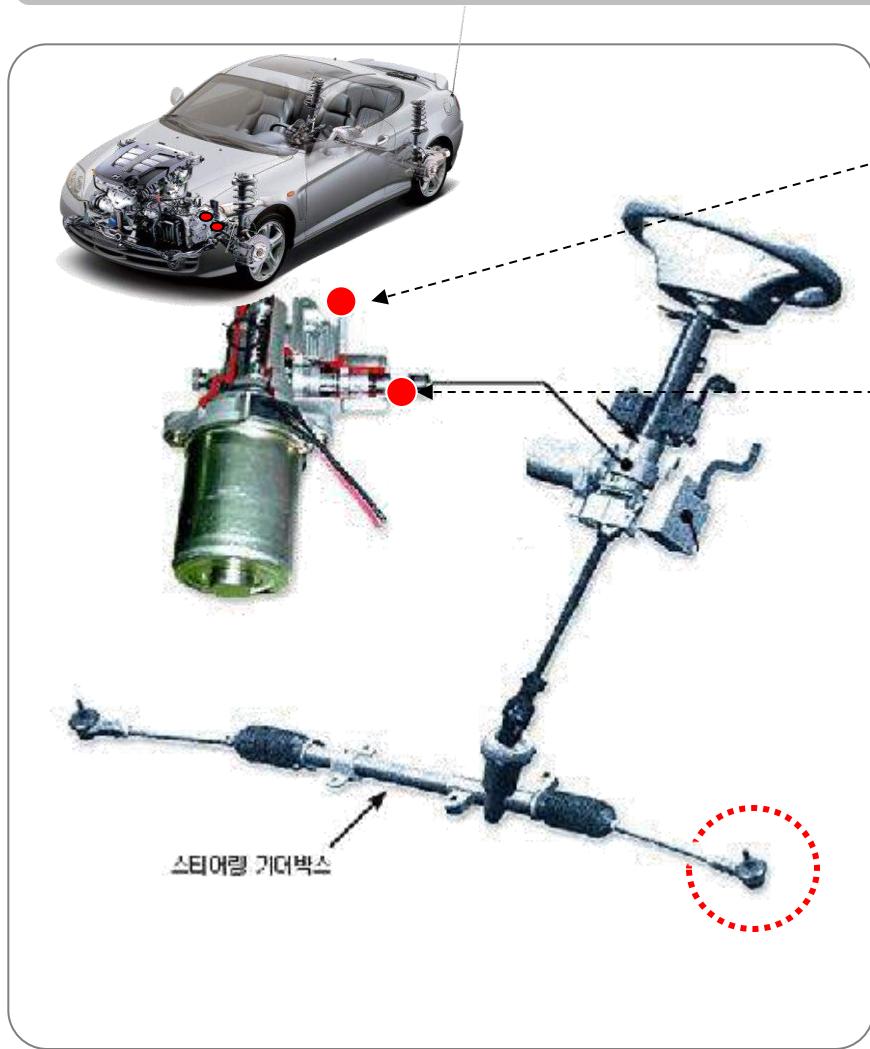


- Stab Link Stud
- Tie Rod End Stud
- Ball Joint Stud
- Inner Tie Rod End Stud
- Pillow Ball Stud



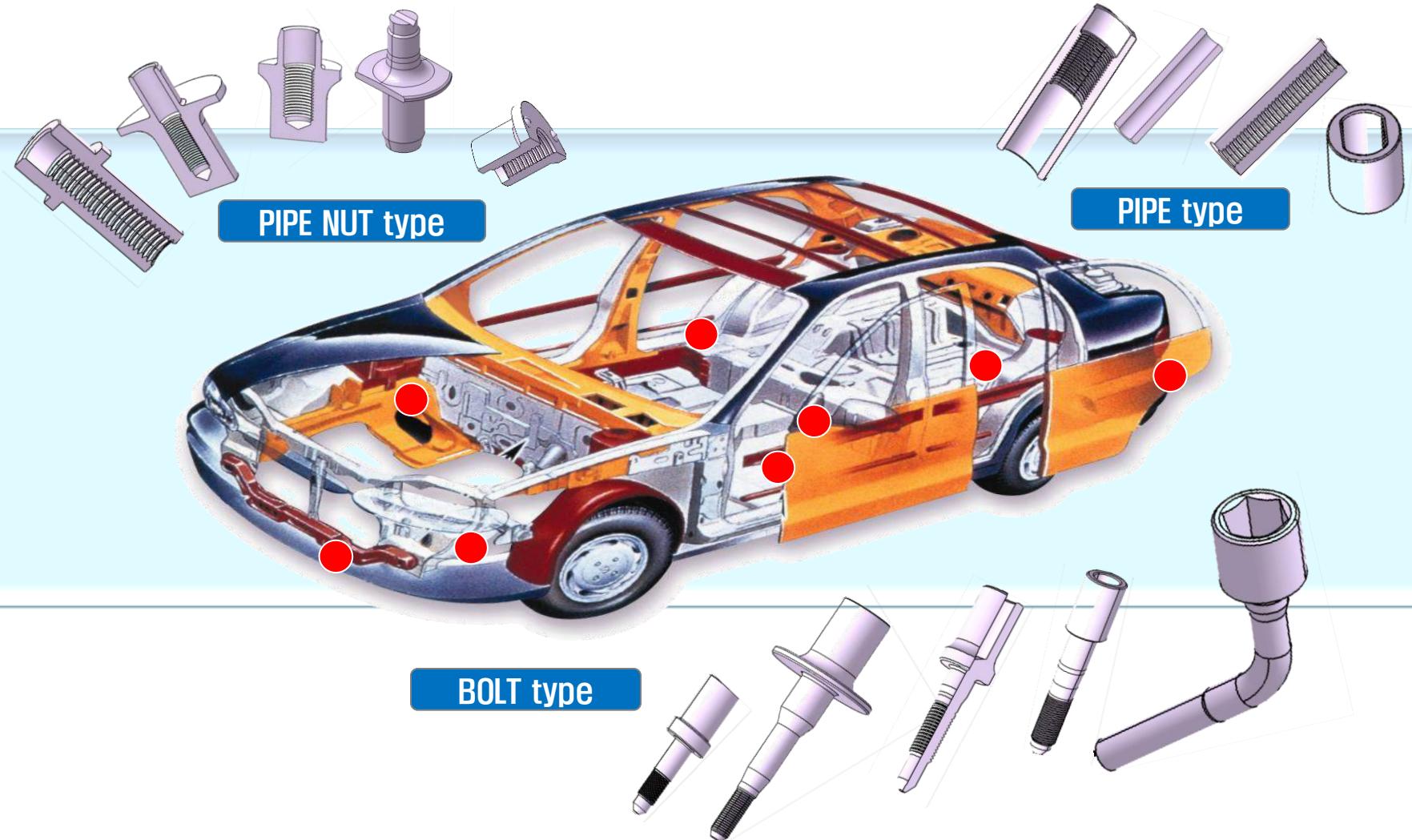
- Stab Link Case
- Ball Joint Case
- Inner Tie Rod End Housing
- Pillow Ball Case

Steering System Parts (Forging & Machining)

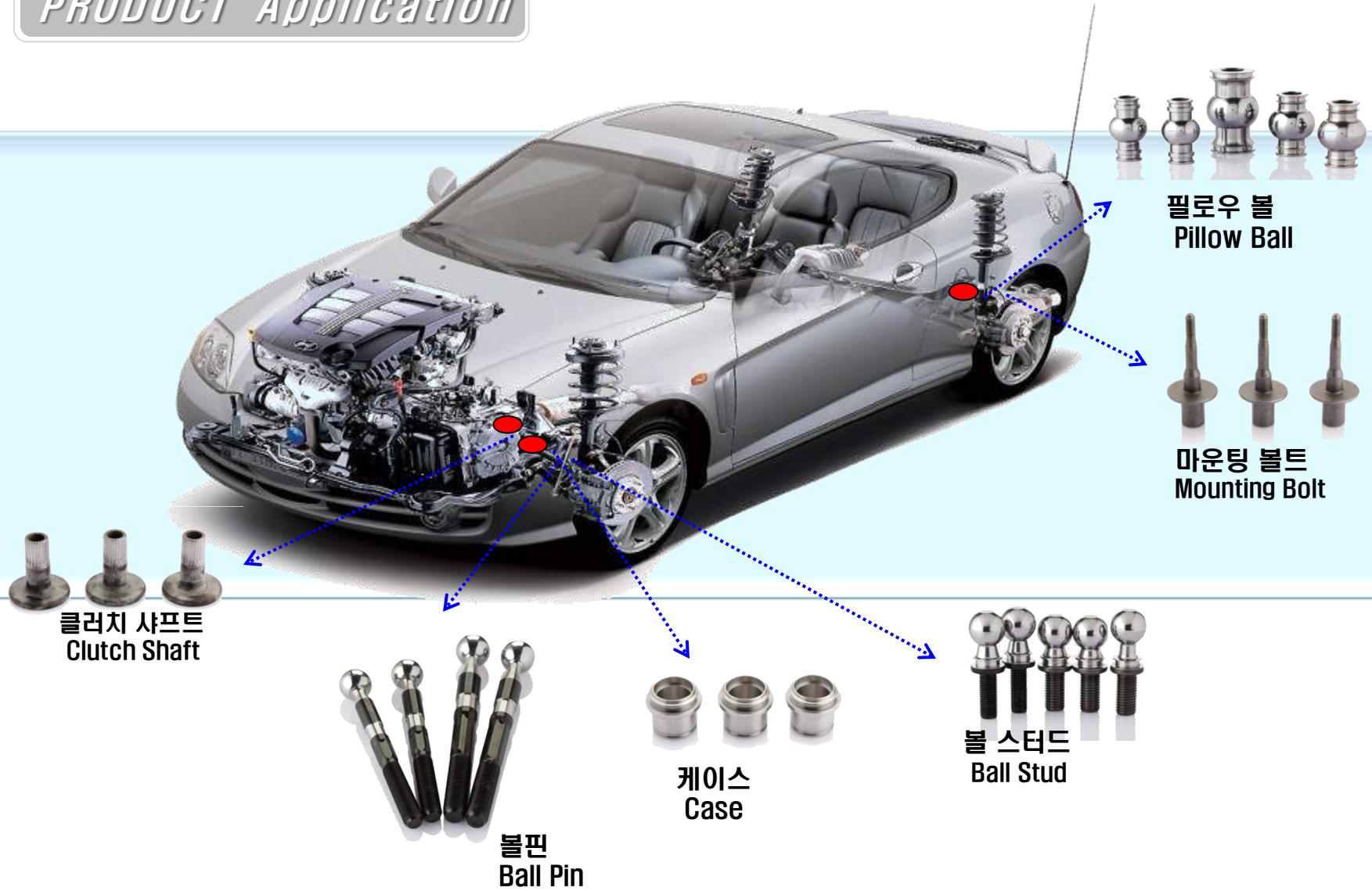


스티어링 기어박스

Cold Forging Body-Parts



PRODUCT Application



PRODUCT Application



BOLT / NUT



Design



- Simulation Program
[MSC Superforge, Germany CPM]
- Pre-failure prediction through CAE
- Prevention making defect tool

Process



- Study MV850 operation
- Error Proofing
- Prevention defective production



- Study Mold/Tool for Former Task Switching
- Cost savings by reducing the setting time
- Improvement of dimensional accuracy
- Study Cold forging mold



- Assembly line development
- Error Proofing development
- Dimensional verification equipment development
- Vision type verification development

● Tenshin Factory in china

● Manufacturing Profile

FORMER M/C 6

- 255 Type 1
- 205 Type 1
- 135 Type 1
- 165 Type 2
- 20SM NUT 1

Magnetic particle flaw detector
/ 3D image measurement

CAPACITY

Forging Capacity

- 200,000pcs/day

CUSTOMER

- CTR in China
- ILJIN in Beijing
- ZF Lemfoerder in Shanghai
- THK in China
- YOUNGSHIN in Beijing
- Great Wall motor's
- LP Mechanism in Beijing
- Myengjin in Shenyang
- JOI in Beijing

Daehan Tenshin

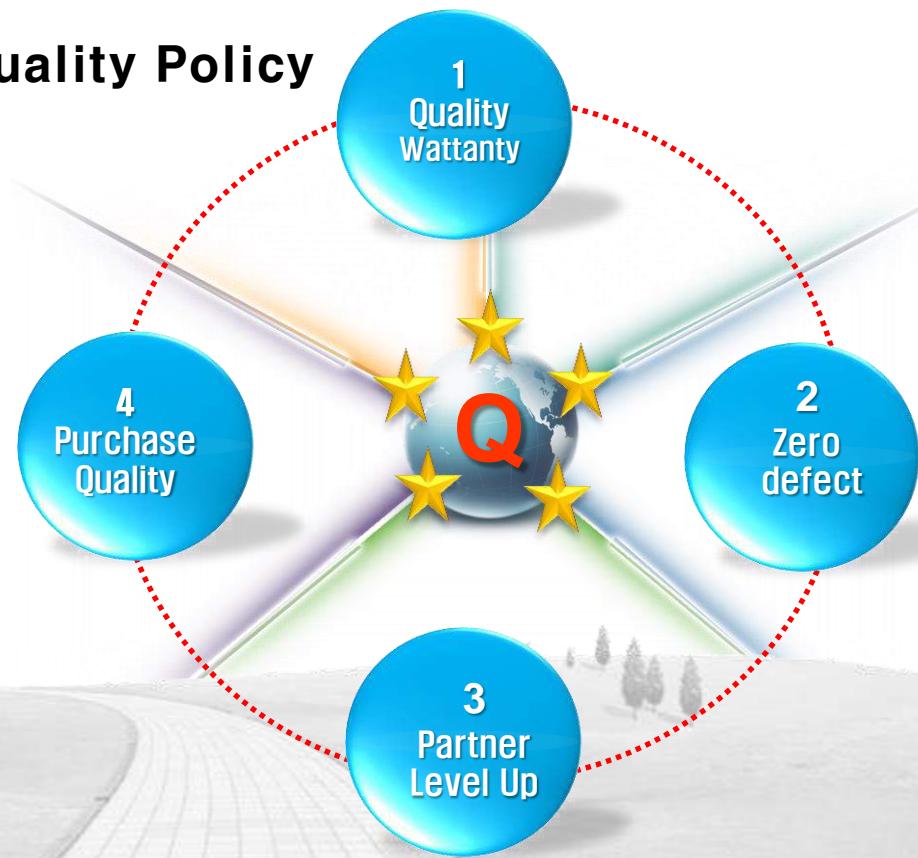


내부전경





Quality Policy





1. All employees are involved in environmental conservation.
2. Comply with the environmental laws.
3. Establish internal policies for environmental protection and compliance.
4. Express a commitment to pollution prevention. [ISO14001]



“DAE HAN is leading the way in environment friendly movement.”



● Value creation



QUALITY
PRICE
DELIVERY

BEST



VISION

- DaeHan Metal is global company which creates new value with customers through 3 BEST INNOVATION

BEST QUALITY



DAEHAN METAL

**B E S T
P R I C E**

COLD FORGING SPECIALIST
SOLID INNOVATION



BEST DELIVERY



DHM

creates new value with customers.



Thank You