

SAMJIN METAL

WORLD CLASS
SPECIAL FASTENERS MANUFACTURER
FOR POWER PLANT AND INDUSTRY



SAMJIN METAL
(주)삼진금속

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CHUNG TAEK HO



대한민국 No.1 특수볼트전문기업 이제는 글로벌 No.1 미래기업으로 도약합니다.

(주)삼진금속은 1981년 창립 이래 40여 년간 축적된 기술과 세계적인 품질을 바탕으로 대한민국 No. 1의 특수볼트전문기업으로 글로벌 No.1을 목표로 하는 미래 기업입니다.

국내에서 유일하게 가스터빈의 스피들 볼트 및 실린더볼트를 생산해 복합 화력 발전소, 원자력 발전소, 해양플랜트분야의 발전에 일익을 담당하고 있으며 세계유수의 터빈메이커인 GE, Doosan Heavy Industries & Construction, MITSUBISHI HEAVY INDUSTRIES, TOSHIBA 등과 협업하여 명실공히 특수 볼트 종합 전문기업으로 세계 속에 자리하고 있습니다.

(주)삼진금속이 급변하는 산업환경 속에서 성장할 수 있었던 원동력은 세계 제일의 품질을 실현하고자 하는 신념이었습니다. 멈추지 않는 혁신을 통하여 기술을 선도하고 최상의 제품을 만들기 위한 연구와 개발의 뜨거운 열정이 (주)삼진금속을 흔들리지 않는 강한 기업으로 만들고 있습니다.

(주)삼진금속은 대한민국 No.1 특수볼트 전문기업으로서 신뢰할 수 있는 파트너가 될 것을 약속합니다.

HISTORY

1981~2007

- 1981. 07 "SAMJINBOLT Industry" Established
- 1990. 02 "Korea Heavy Industries & Construction Co., Ltd." registered as a partner(Current Doosan Heavy Industries & Construction Co., LTD.)
- 1995. 07 "CO.SAMJINMETAL" corporate conversion
- 1998. 01 "Korea Electric Power Corporation" Registration as a Maintenance Qualified Company
- 1998. 08 "Hyundai Heavy Industries Co., Ltd." registered as a cooperative supplier
- 1999. 01 "ISO 9002" Quality Certification
- 1999. 01 ASME Sect.III NCA-3800 certification (nuclear energy stability : Doosan Heavy Industries)
- 1999. 08 Registered as a Acceptable maintenance supplier for Korea Electric Power Corporation (hydration force)
- 1999. 11 KEPIC-MNSN certification by the "Korea Electrical Association"
- 2000. 02 Qualification of high-temperature, high-pressure bolts and nuts for turbines of Korea Electric Power Corporation
- 2004. 09 "ISO 9001" Quality Certification
- 2006. 01 Toshiba Electric Power Corporation certifies quality assurance programs for social systems companies
- 2007. 03 Convention of Partners of Changwon National University Regional Innovation Center

2008~

- 2008. 01 INCO718 material TENSION STUDBOLT Manufacturing Technology Development Patent Acquisition
- 2008. 05 Win-win Cooperation, a small and medium-sized enterprise, won the Presidential Commendation
- 2008. 12 Gas Turbine patent acquisition "Through Bolt cutting system and using this method to cut through bolts"
- 2009. 10 Certification of Doosan Heavy Industries & Construction's partners (M501F/ G SPINDLE BOLT & NUT, ETC.)
- 2009. 12 Presidential Award for Quality at National Quality Division Management Conference
- 2015. 04 Certification of Korea Electric Power Corporation's Excellent Cooperative Small and Medium Businesses (KEPCO Trusted Partner)
- 2016. 04 Qualification registration for supply of equipment and materials to five power generation companies (South Power, East-West Power, Central Power, Western Power, South-East Power)
- 2017. 07 Certification of Venture Firms - KOREA TECHNOLOGY FINANCE CORPORATION
- 2017. 12 Equipment Quality Award-Korea Western Power Co., Ltd
- 2019. 01 Partner Registration (External Carry-Out Repair and Production [Fire, Water] Qualified company) Korea Electric Power Corp. KPS Co., Ltd.
- 2019. 07 INNO-BIZ Corporate Certification - Ministry of SMEs and Startups
- 2020. 02 Headquarter relocation - Dada-dong, Saha-gu, Busan
- 2020. 06 Registration of Korea Hydro & Nuclear Power Reserve and Facility Repair Capacity



SUPPLY DISTRIBUTION



CERTIFICATION

발전5개사 "터빈고압볼트" 공급 유자격등록	원자력 품질 시스템 인증서 "KEPC-MN, SN"	특허증 "가스터빈의 인코벨 텐션스터드 볼트 제조방법"	품질 경영 시스템 인증서 "ISO9001 : 2015"	품질보증 시스템 인증서 "P.E.D 2014/68/EU"
한국전력공사 우수협력업체 인증서	한국지역난방공사 "M501F3 가스터빈용 체결제" 개발선정	한수원 유자격공급자 등록증 (기가기리)	한수원 유자격공급자 등록증 (예비품)	협력업체선정 TOSHIBA

MACHINE

No.	Equipment	Model	Specification	Q'ty	Maker
1	CNC Lathe	PUMA600L	18" x 3200	2	Doosan
2	CNC Lathe	PUMA400XL / 400	15" x 2500	3	Doosan
3	CNC Lathe	PUMA300L / 280 / 240	12" x 1310	4	Doosan
4	Machining Center	MYNX6500	TABLE 1400 x 670	1	Doosan 외
5	Machining Center	MYNX5400/50	TABLE 1200 x 540	2	Doosan
6	5 Axis Machine	NTX200-	Chuck Size : 12" Max Turning Length(mm) : 1562	1	DMGMORI
7	5 Axis Machine	MAZAK 200	Chuck Size : 8" Max Turning Length(mm) : 510	1	MAZAK
8	Electric Discharge Machine	SE-100G / SE75G SE-75i	TABLE 900 x 500	10	Sewoon 외
9	Thread Rolling Machine	DIL-40	40ton, Roll Dice ø250	2	DONGIL
10	SHOT PEENING MACHINE	KB1001	-	1	LOREA BLAST
11	BAND SAW	HFA400 / CTB400 / HFA300	-	5	AMADA



LABORATORY

No.	Equipment	Model	Maker
1	UNIVERSAL TESTING MACHINE	DST-100	DAESUNG
2	OPTICAL EMISSION SPECTROMETER	OES-5500 II	SHIMADZU
3	CHARPY	TM-UMS	TESTMATE
4	PROFILE PROJECTOR	PJ-A3000	MITUTOYO
5	P.M.I	X-MET5 100	OXFORD
6	Contour Measuring Instr. (2D MEASURING)	SV-3200 / C-3000	MITUTOYO
7	HARDNESS TESTER	ATR-F1100 / DTR-100	MITUTOYO, DAEKYUNG
8	ELECTRIC MUFFLE FURNACE	-	TEST MATE
9	2D LINEAR HEIGHT GAUGE	-	MITUTOYO
10	Granite Surface Plate	3500x1000 / 1000x1000	ZUNGWOO
11	COATING THICKNESS TESTER	HD179-745	HANDO
12	Borescope	M012600	DAESHIN
13	Micrometer / Cylinder Gauge / Dial Gauge	-	MITUTOYO
14	Vernier Calipers / Ring Gauge / Plug Gauge	-	MITUTOYO, OSG, etc.



STEAM TURBINE



FITTING



FITTING



SLOTTED NUT



HELICOIL INSERT



SELF LOCKING NUT



TORQUE PIN



REAMER BOLT



DOWEL



AIR SAPARATOR BOLT



SHOULDER BOLT



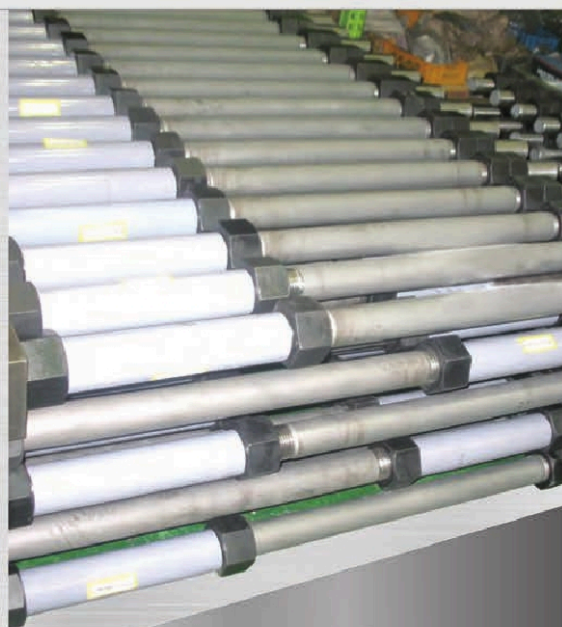
SPHERICAL WASHER



HEX SCREW



HEX BOLT



KEY



SPINDLE NUT



CAP NUT



12 POINT NUT



SPHERICAL WASHER



HEX HEAD SHOULDER BOLT



CAP NUT



SLOTTED AND CASTLE NUT



BRUSH PACKING RING



DIAPHRAGM



HEX SOCKET HEAD CAP SCREW



HEX SOCKET HEAD CAP SCREW



JACKING BOLT



HEX SCREW

GAS TURBINE



SPINDLE BOLT (COMP, TURBINE PARTS)



TAP STUD BOLT



REAMER BOLT



HEX NUT



ROUND NUT



AIR SEPARATOR BOLT SETS



SPECIAL BOLT



PIN



RIVET



COUPLING BOLT / AIR SEPARATOR BOLT



COUPLING BOLT



12POINT NUT/LOCK WASHER



REAMER BOLT



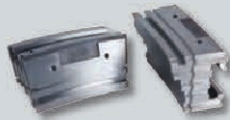
SPINDLE BOLT (F, G CLASS)



DOUBLE END STUD



DOWEL



SHROUD BLOCK



BLADE, VANE



COMPRESSOR DIAPHRAGM

PRODUCTION PROCESS

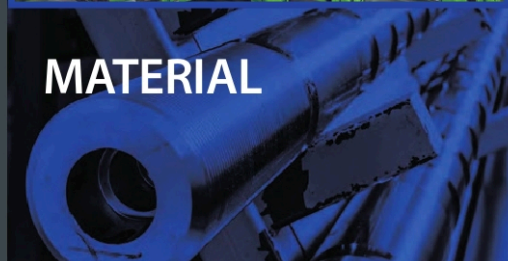
ONE-STOP SYSTEM



Step 1



MATERIAL

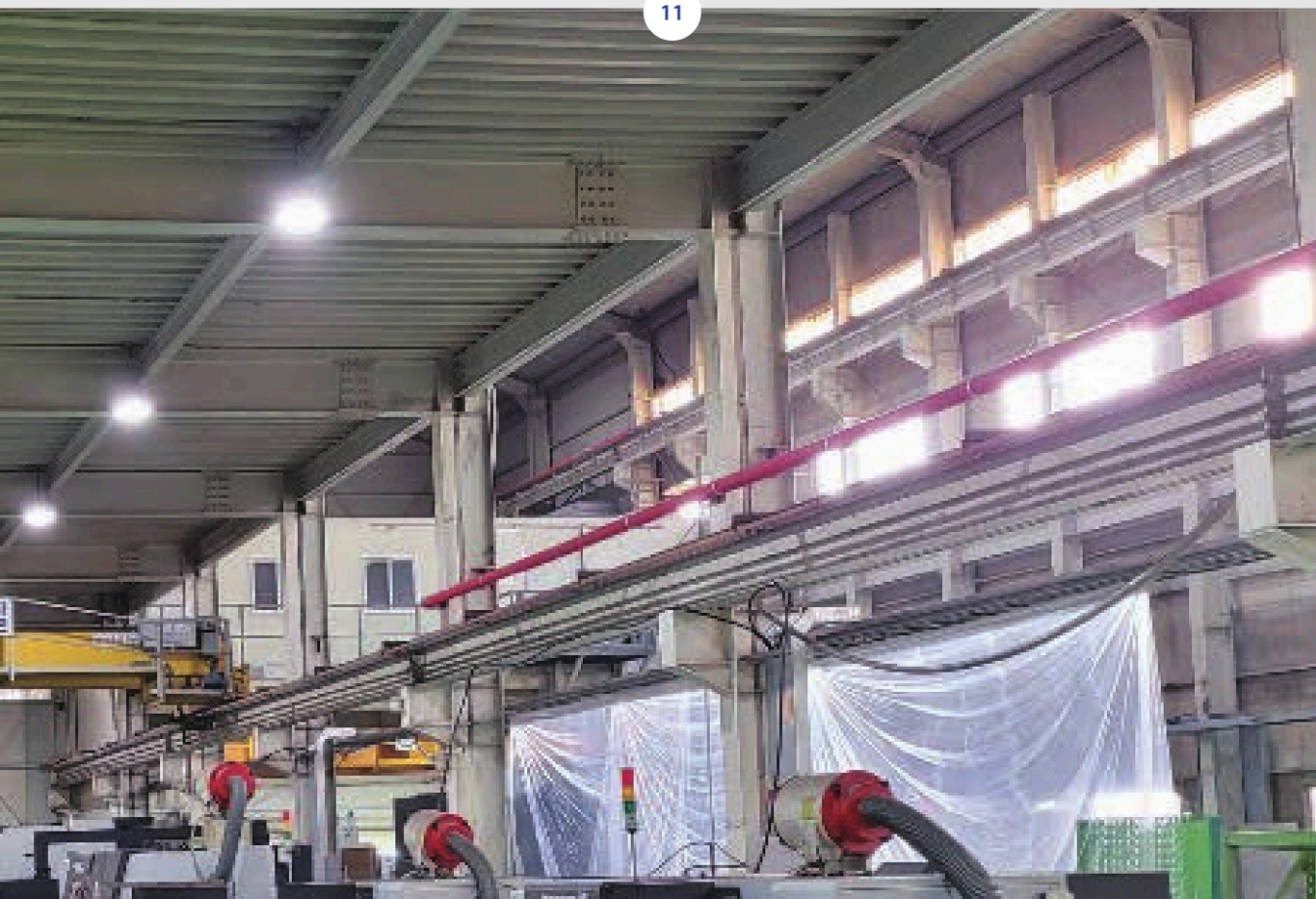


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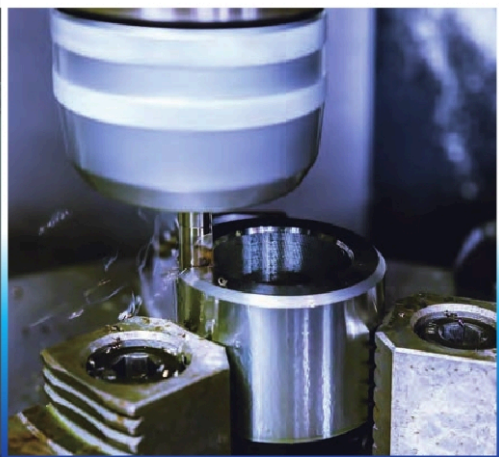


DESIGN





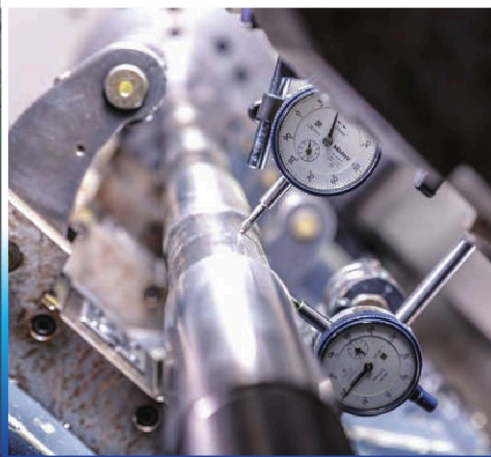
Step 3



MACHINING



Step 4



INSPECTION





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