



DONG WON PRECISION CO., LTD.

하이 퀄리티·하이 테크놀로지
정밀기계 & 비전 시스템

High Quality·High Technology
Precision Machine & Vision System



기술 혁신과 글로벌 성장을 선도하는 동원정밀 주식회사

Dongwon Precision Co., Ltd., Leading
Technological Innovation and Global Growth

DW

동원정밀 주식회사는 2007년 설립 이래, “존경과 사랑받는 최고의 우량기업” 실현을 목표로 지속적인 혁신과 노력을 통해 꾸준히 성장해 왔으며, 방산분야의 특화된 기술력을 바탕으로 방산 전문 기업으로의 입지를 굳건히 하고 있습니다.

고객사와 협력업체 간의 ‘상생(Win-Win)’ 구현을 위해 노력하고 있으며, 미래지향적인 사고로 ‘지속가능한 성장’ 기반을 구축하고자 수출 및 신제품 개발에 과감한 투자를 이어가고 있습니다.

방산부품의 설계·소재개발·가공 및 조립 등 ‘정밀기계 분야’와 디스플레이 및 비전시스템 등 ‘전자 분야’의 융복합화(Mechatronics)가 가능한 사업구조를 통한 시너지 효율의 극대화로 안정적인 사업 포트폴리오를 더욱 발전시켜, 궁극적으로는 “Global Hidden Champion” 기업 실현을 위해 임직원 전체가 최선의 노력을 경주하고 있습니다.

Since our establishment in 2007, we have been steadily growing through continuous innovation and effort with the goal of becoming “the best and most respected company.” In particular, we are solidifying our position as a specialized defense company based on our specialized technology in the defense sector.

We are continuously striving to implement a ‘Win-Win’ relationship between our clients and partner companies. Through this, we aim to promote mutual growth and establish a stronger partnership. Additionally, based on future-oriented thinking, we are making bold investments in exports and new product development to lay the foundation for ‘sustainable growth’.

We are doing our best to maximize synergy efficiency through the convergence of precision machinery fields such as the design, material development, processing, and assembly of defense components, as well as electronic fields such as displays and vision systems. Ultimately, all employees are working together with one heart to grow into a “Global Hidden Champion” company.



회사연혁 History



- 2023 01 창원 본사 통합공장 신축 이전
- 2022 09 협력업체 정기평가 S등급 인증 (한화에어로스페이스)
- 2021 06 ISO 22301 / ISO 45001 인증
- 2018 04 안전보건 공생협력 프로그램 우수 협력업체 수상
- 2016 11 ERP SYSTEM 구축
- 2015 01 법인전환(동원정밀 → 동원정밀 주식회사)
- 2014 12 수출탑 수상 (일백만불)
- 2013 02 AS 9100 인증
- 2011 08 기술혁신형 중소기업(이노비즈) 인증
- 07 기업부설연구소 인증
- 05 소재·부품·장비 전문기업 인증
- 2010 11 ISO 14001 인증
- 2009 10 ISO 9001 인증
- 2008 10 클린사업장 인증
- 04 벤처기업 인증
- 2007 10 동원정밀 설립

- 2023 01 Established New Plant at Changwon
- 2022 09 Certified the S-Grade supplier by Hanwha Aerospace
- 2021 06 Certified ISO 22301 / ISO 45001
- 2018 04 Awarded Best Partner for Safety, Health & Symbiosis Program by Hanwha Aerospace
- 2016 11 Implementation ERP System
- 2015 01 Change of Company type (Dongwon Precision Co. → Dongwon Precision Co., Ltd.)
- 2014 12 Awarded 'Export Tower' (1 M USD)
- 2013 02 Certified AS 9100
- 2011 08 Certified the Technology Innovation-Oriented Small and Medium Enterprise (Inno-Biz) by Ministry of SMEs in Korea
- 07 Establishment of R&D Center
- 05 Certified the Enterprise specializing Material, Parts, and Equipment
- 2010 11 Certified ISO 14001
- 2009 10 Certified ISO 9001
- 2008 10 Certified Clean Business Establishment
- 04 Certified Venture Company
- 2007 10 Founded Dongwon Precision Co.

주요사업

Major Business



정밀기계사업

Precision Machinery Division

- K9 자주포 | K9 Self-Propelled Howitzer
- K10 탄약운반장갑차 | K10 Ammunition Resupply Vehicle
- K77 사격지휘장갑차 | K77 Fire Direction Center Vehicle
- K56 탄약운반장갑차 | K56 Ammunition Resupply Vehicle
- KM3 자주도하장비 | KM3 Amphibious Bridge and Ferry System
- K2 전차 | K2 Main Battle Tank
- K808 차륜형장갑차 | K808 Wheeled Armored Vehicle



시스템사업

Military System Division

- History 2010~2019
- History 2019~2024

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K9 자주포 | K9 Self-Propelled Howitzer



K10 탄약운반장갑차 | K10 Ammunition Resupply Vehicle



K77 사격지휘장갑차 | K77 Fire Direction Center Vehicle



KM3 자주도하장비 | KM3 Amphibious Bridge and Ferry System



K56 탄약운반장갑차 | K56 Ammunition Resupply Vehicle



K2 전차 | K2 Main Battle Tank



K808 차륜형장갑차 | K808 Wheeled Armored Vehicle



History 2010~2019

시스템 사업부는 Panel PC, Rugged Display, CCTV Camera, Military IT 제품 등 방산용 제어를 공급합니다.

The Military System Division is supplying the Panel PC, Rugged Display, CCTV Camera, IT Products for Military purpose, etc.

2010



DW6402

- Rugged Driver Display for KAAV
- 6.4", 640×480, 500 cd/m²
- IP67, MIL-STD-461F, 810F

2011



DW2010

- Rugged Console Display for Naval Ships
- 20.1", 1600×1200, 300 cd/m²
- IP65, MIL-STD-461F, 810G
- MIL-S-901D

2012



DW1502T

- Rugged Console Display for UAV Control System
- 15", 1024×768, 300 cd/m²
- PCAP Multi-Touch Screen
- IP65, MIL-STD-461F, 810G



DW2601T

- Rugged Console Display for UAV Control System
- 26", 1920×1200, 300 cd/m²
- Resistive Touch Screen
- Auto Temperature Control

2013



DW1043

- Rugged Console Display for Fire Monitoring System
- 10.4", 1024×768, 300 cd/m²
- Low Power Design
- Localization Product

2015



DW0653OC

- Rugged Driver Display for BIONIX of SDDA
- 6.5", 640×480, 500 cd/m²
- IP65, MIL-STD-461F, 810G
- MIL-STD-1275D
- Control 3×External Camera

DC2010701



- Rugged Console type Panel PC for ECS of SYSTEMA
- Intel Core i7
- 20.1", 1600×1200, 500 cd/m²
- IP65, MIL-STD-461F, 810G
- MIL-S-901D

2014



DW1212DF

- Rugged Multi-Function Display for RCWS of Yeongpung
- 12.1", 1024×738, 700 cd/m²
- 2×Dumbling Switch
- 26×Function Keys with backlit
- EMI micro-mesh, Glass heater with Optical bonding

DW1503THF



- Rugged MFD for STE M1, M2 TERREX
- 15", 1024×768, 700 cd/m²
- 16 Func. Keys, PCAP Touch
- IP65, MIL-STD-461F, 810G

DW1045THF



- Rugged MFD for STE M1, M2 TERREX
- 10.4", 1024×768, 400 cd/m²
- 16 Func. Keys, PCAP Touch
- IP65, MIL-STD-461F, 810G
- Pointing Device

DW1048DF



- Rugged Driver Display for K9, K10 of HANWHA
- 10.4", 1024×768, 300 cd/m²
- IP67, MIL-STD-461F, 810G
- Control 2×External Camera
- RS422 Control of TH. Camera

2016



DW0843NF

- Rugged Driver Display for K1E1, K1A2 of ROTEM
- 8.4", 1024×768, 400 cd/m²
- IP67, MIL-STD-461F, 810G
- Control 3 x External Camera
- RS422 Control of TH. Camera

DC0654Q02



- Rugged Information Display for K55 of HANWHA
- 6.5", 640×480, 400 cd/m²
- IP65, MIL-STD-461F, 810G
- Heat Glass for Low Temp. Op.

DF1508THF



- Rugged Front Panel Ass'y for SB1 of STE ANS
- 15", 1024×768, 700 cd/m²
- MIL-STD-461F, 810G, 1275D
- PCAP Multi-touch screen
- 16×Function Keys w/Backlit
- Touch on/off, Blackout Key

DF104CTHF



- Rugged Front Panel Ass'y for BRONCO of STE ANS
- 10.4", 1024×768, 400 cd/m²
- MIL-STD-461F, 810G, 1275D
- PCAP Multi-touch screen
- 16×Function Keys w/Backlit
- Touch on/off, Blackout Key

History 2019~2024

2019

PT1502-CSM

- Rugged PANEL PC for Complex Sensor Master
- 15", 1024×768, 700 cd/m²
- MIL-STD-461F, 810G, 1275D
- PCAP Multi-touch screen
- Intel Core i7 6th Gen.
- Back-up Battery
- Removal SSD



DC2010702T

- Rugged Console type Panel PC for Mode-5
- 20.1", 1600×1200, 300 cd/m²
- Intel Core i7 6th Gen.
- IP65, MIL-STD-461F, 810G
- MIL-S-901D
- Resistive Touch Screen



DW2402

- Rugged Console type Panel PC for Mode-5
- 20.1", 1600×1200, 300 cd/m²
- Intel Core i7 6th Gen.
- IP65, MIL-STD-461F, 810G
- MIL-S-901D
- Resistive Touch Screen



PT1040

- Rugged Panel PC for Mode-5
- 10.4", 1024×768, 300 cd/m²
- Intel Core i7 6th Gen.
- IP65, MIL-STD-461F, 810G
- PCAP Multi-Touch Touch



DF104FGVA

- Rugged GVA FPA
- for GVA compatible Display
- 10.4", 1024×768, 500 cd/m²



2022

DC1331704T

- Rugged Panel PC for AS10 of HANWHA
- 13.3", 1920×1080, 700 cd/m²
- Resistive Touch
- Intel Core i7 6th Gen.
- IP65, MIL-STD-461F, 810G



DW3846TP

- Rugged Driver Display for TERREX of STE ANS
- 3×8.4", 800×600, 500 cd/m²
- 3 in 1 Display
- 3×PAL Video input
- MIL-STD-461F, 810G
- MIL-STD-1275D



DW3702SHD

- Rugged Driver Display for TERREX 5 of STE ANS
- 3×7", 1920×1080, 500 cd/m²
- 3 in 1 Display
- 7×HD-SDI Video input
- MIL-STD-461F, 810G
- MIL-STD-1275D



DF1732TCN

- Rugged FPA for HUNTER-II of STE ANS
- 17.3", 1920×1080, 700 cd/m²
- PCAP Touch Screen
- Auto Glass Heater Control
- Windows Hello Camera inst.
- IP65, MIL-STD-461F, 810G



2021

DW104HLCM

- Rugged Driver Display for Leopard Tank of STE ANS
- 10.4", 1024×768, 300 cd/m²
- PCAP Multi-Touch Screen
- IP65, MIL-STD-461F, 810G
- 16×Func. Keys w/Backlit
- Pointing Device



2024

PT1503-CSM

- Rugged PANEL PC for Complex Sensor Master
- 15", 1024×768, 700 cd/m²
- MIL-STD-461F, 810G, 1275D
- PCAP Multi-touch screen
- Intel Core i7 9th Gen.
- Back-up Battery
- Removal SSD
- Extra 2×LAN, 2×CAN ports



DW1703THF

- Rugged MFD for TERREX 2&3 of STE ANS
- 17", 1280×1024, 700 cd/m²
- MIL-STD-461F, 810G, 1275D
- PCAP Multi-touch screen
- 16×Function Keys w/Backlit
- Touch on/off, Blackout Key
- 3×Circular Connector



개발 및 양산사업(공정 프로세스) | Production Process

01
원재료 투입

Input of Raw Materials

제품 제조에 적합한 원·부자재 구매 및 입고
→ 생산공정 투입

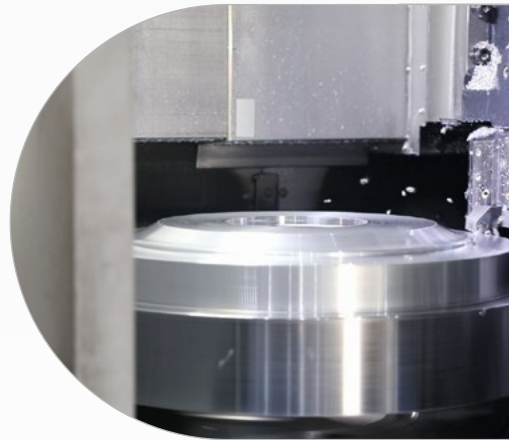
Purchasing and Incoming of Raw Materials
→ Put into Production Process

02
가공

Machining

투입된 원자재를 가공설비(기계)를 이용하여 제품 규격에 맞게 가공 (황·정삭 / 형상가공 / 홀가공 / MCT 등)

Machining the raw materials according to the product specification using various machines.

03
특수공정

Special Process

열처리, 표면처리, 고무몰딩, 비파괴검사, 용접 등의 특수 공정

Heat treatment, Surface treatment, Rubber molding, Non-Destructive Test, Welding, etc.

04
사상

Deburring

조립 전, 각 부품들의 조립성을 확보하기 위해 각 단품 혹은 부품을 마감하는 작업

Before assembly, deburring all piece or part to ensure the assembly requirements.

05
조립

Assembly

여러 부품을 연결하여 하나의 구조물로 집합하여 다른 형태의 조립체로 구성하는 행위

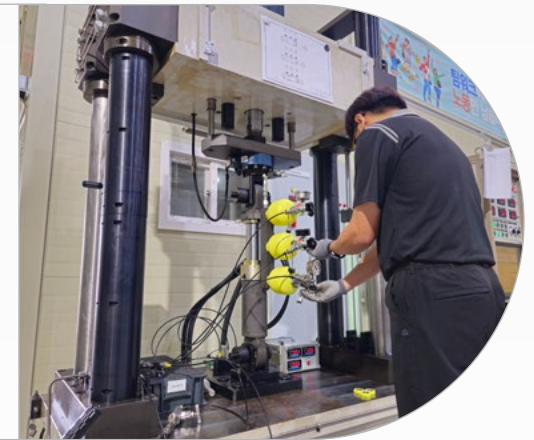
Assembling the parts upon the function requirements.

06
시험

Test

조립된 최종 제품을 다양한 조건 하에서 고객이 요구하는 기능, 성능과 적합성을 시험하는 것 (EX. 성능시험, 환경시험, 충격시험, 내구도시험, 연소시험 등)

Testing the function, performance, and suitability of the assembled final product under various customer's requirements (such as performance test, environmental test, impact test, durability test, combustion test, etc.)

07
검사

Final Inspection

최종 완성된 제품을 검사장비를 이용하여 품질기준에 적합한지를 확인

Checking the finished product according to the Quality Standards and Specifications.

08
포장 및 출하

Packaging and Shipping

고객의 요구사항에 맞게 포장하여 정확한 납기일에 출하하여 납품을 완료

Packaging upon customer's requirements and Shipping On-Time



품질경영 Quality Management

동원정밀 주식회사는 실질적인 품질 향상을 위해 고객 중심의 다양한 품질 개선활동을 시행하고 있습니다. 특히 데이터 분석을 통한 체계적 하자 관리와 사전예방 중심의 선제적 품질관리를 통해 고객의 신뢰를 쌓아 나가고 있습니다.

Dongwon Precision Co., Ltd. is engaged in various quality improvement activities focused on practical enhancements centered around customer needs. In particular, we are building customer trust through systematic defect management, leveraging data analysis, and proactive quality management centered on prevention.

체계적인 품질관리 | Systematic Quality Control



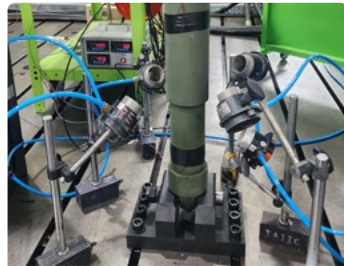
품질개선활동
Quality Improvement Activities



제품검사
Product Inspection



공정검사
In-Process Inspection



시험 및 테스트
Testing



ERP 시스템 구축
Build ERP system



AS9100 인증 획득
Aerospace Quality Management System AS9100

품질 인증 시스템 | Quality Certification System

방산 부품의 소재, 가공 및 조립 등의 전체 과정 내 품질관리를 통합하여 원스톱(One-Stop) 품질 인증 시스템 구축

The one-stop system is built by integrating the entire process of designing, material development, processing, and assembling defense components.



생산품질관리
Production Quality Control



공정품질관리
Process Quality Control



불량요소제거
Elimination of Defective Elements



고객만족
Customer Satisfaction

인증현황 Certification Status



AS9100D



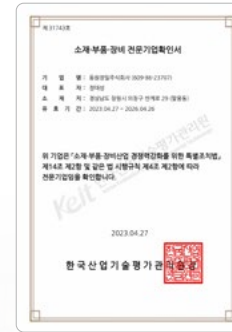
ISO 22301:2019



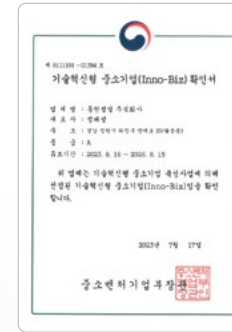
ISO 45001:2018



ISO 14001:2015



소재부품장비 전문기업 확인서
Certificated "Material, Parts, and Equipment" from Korea Government



기술혁신형 중소기업 확인서
Inno-biz Certification



기업부설연구소 인정서
R&D Center Certificate



특허증
Patent



특허증
Patent



특허증
Patent



특허증
Patent



특허증
Patent



특허증
Patent



상표등록증
Trademarks Registration



상표등록증
Trademarks Registration



상표등록증
Trademarks Registration



www.dongwon-dst.com

동원정밀 홈페이지에 방문해보세요!

Scan QR code and visit our website.



본사/정밀기계사업부(창원) | HQ/Precision Machinery Division

경상남도 창원시 의창구 반계로 29 (팔용동)

29, Bangye-ro, Uichang-gu, Changwon-si, Gyeongsangnam-do, Republic of Korea

TEL +82-55-265-4240~1 / **FAX** +82-55-265-4243 / **WEB** www.dongwon-dst.com

시스템 사업부(성남) | Military System Division

경기도 성남시 중원구 둔촌대로519 중일아인스프라츠3차 604호

519, Dunchon-daero, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

TEL +82-31-731-5534 / **FAX** +82-31-731-5535 / **WEB** www.dongwon-dst.com