

woorimPTS

DRIVE THE FUTURE

A Specialized Company in Gear Solutions Creating the Future

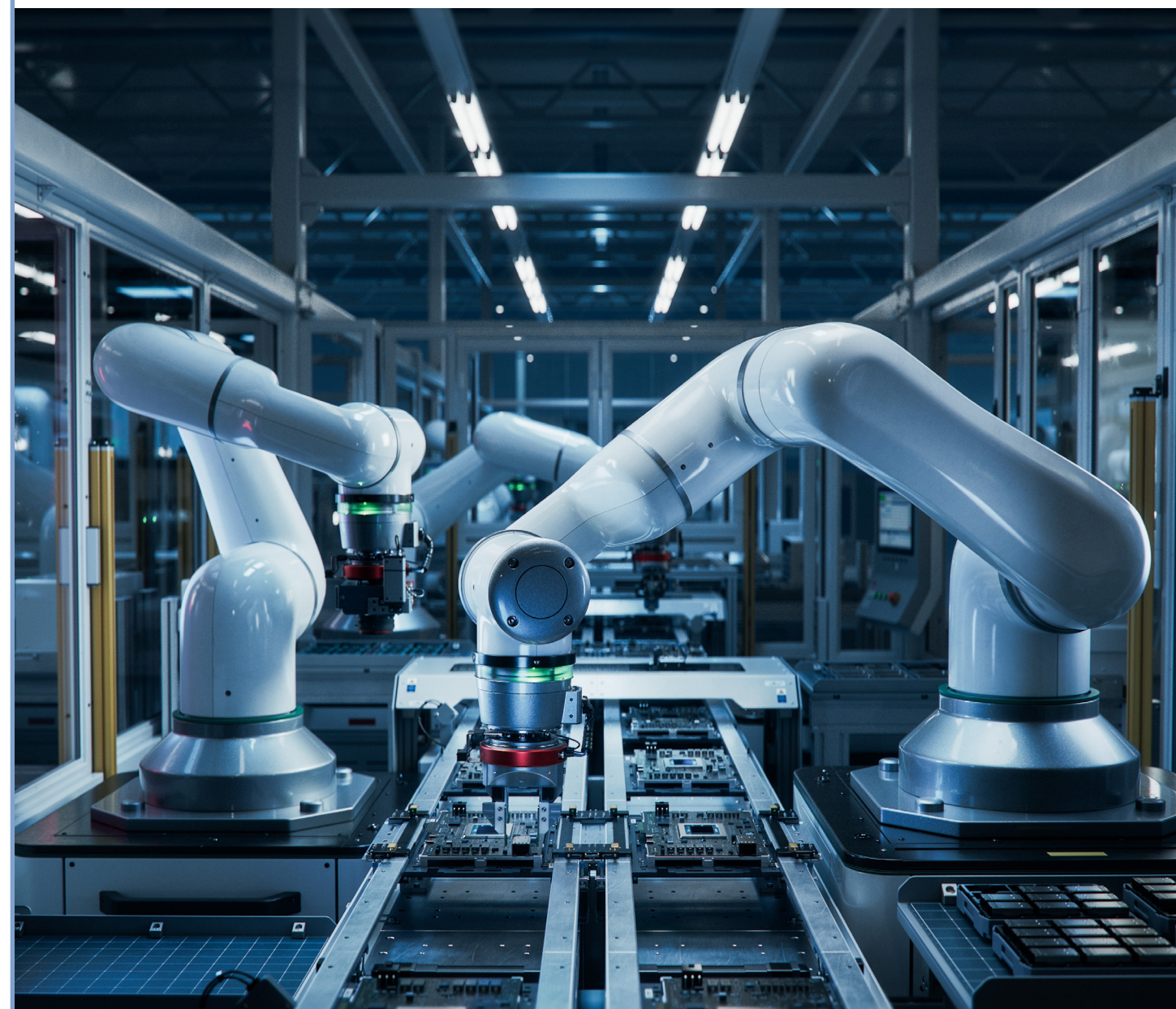
woorimPTS

1ST FACTORY

145 Seongsanpaechong-ro, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, 51534 South Korea
T. +82-55-260-0300 F. +82-55-286-1559

2ND FACTORY

613 Nammyeon-ro, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, 51534 South Korea
T. +82-55-260-0300 F. +82-55-286-1582



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ABOUT WOORIMPTS

Woorim PTS supplies high-quality gear solutions to diverse industries worldwide.

Over the past half century, we have led the localization of gearboxes in the fields of heavy equipment, steelmaking, energy, and factory automation through ceaseless R&D. We have grown into Korea's leading gearbox company with a stable financial structure, debt ratio of less than 20% and more than 1 million supply records in 20 countries. We aim to become the world's best power transmission solutions company, beyond Korea to advanced industries, such as aviation, defense, and eco-friendly powertrains in the coming half-century by cultivating technology leaders and building cutting-edge systems and facilities based on a bold investment strategy.

Business Area



Defense & Aerospace

We provide ultra-precision gears and transmission systems for defense applications across land, naval, and aerospace domains.

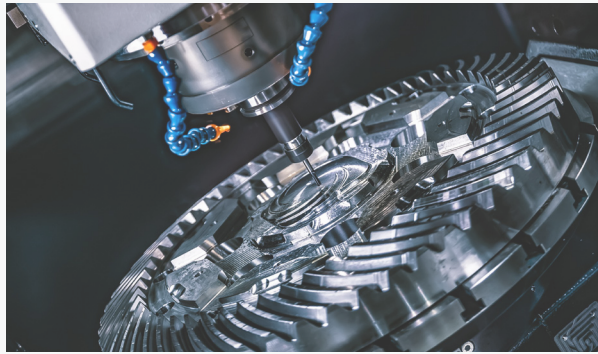


Robotics

We have developed advanced high-precision gear reducers for humanoid robotics.

HISTORY

woorimPTS



1970s

- 1976 Established as Paramount Machinery in Changwon
- 1983 Renamed Paramount Machinery Company to Woorim Machinery Industry
- 1998 Took over Woorim Machinery Industry and established Woorim Machinery (CEO Han Hyun-seok)



2000s

- 2005 Began mass production of travel/slewing reducer for excavators
- 2007 Completed Oe-dong factory, relocated the headquarters (land 10,574m², floor space 9,988m²)
Awarded Million Dollar Export Tower
- 2008 Awarded Five Million Dollar Export Tower
- 2009 Listed on KOSDAQ (Capital: KRW 4.5 billion)
Awarded Ten Million Dollar Export Tower/Stone Tower
Order of Industrial Service Merit on Trade Day
- 2012 Completed factory specialised in gear reducers (land 14,370m², floor space 10,719m²)
Awarded Twenty Million Dollar Export Tower/Bronze Tower
Order of Industrial Service Merit on Trade Day



2010s

- 2013 Mass production and supply of Travel Reducer Ass'y for 250-ton Crawler Crane
- 2014 Began localization development and supply of converter tilting device
- 2015 Obtained Pitch & Yaw Drive component certification for manufacturing and design (German DNV Certification)
Established a factory specializing in heat treatment (Woorim HS)
- 2016 Acquired supplier quality certification (PosQC) Q3 grade
- 2017 Built high-precision reducer production line



2019s - Present

- 2019 Built high-tech facilities for large precision gears (up to 8.4 meter diameter)
Awarded a presidential commendation for developing excellent capital goods
Opened a branch office (Düsseldorf)
- 2019 Established a local corporation in the US (Woorim America Corp)
Began steel facility engineering business
Selected as the Small Giant 100 in the field of Materials, Parts and Equipment
- 2021 Renamed to Woorim PTS

IN-HOUSE INTEGRATED PRODUCTION

Machining

Turning, Hobbing, Shapping, Tooth Grinding, Bevel Gear Grinding, Cylinder Grinding, 5-Axis MCT



Special process

Carburizing Heat Treatment, MPI, Nitral Etching, Shot peening (Glass/Metal), Tumbling, Super Finishing, Balancing

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CERTIFICATE

International Certificates



ISO 9001:2015



ISO 45001:2018



ISO 14001:2015



KS Q 9100:2018



NADCAP

Certificate of Patent



Cycloidal Reducer



Cycloidal Reducer Equipped with a Lubrication System



Method for Manufacturing Precision Gears

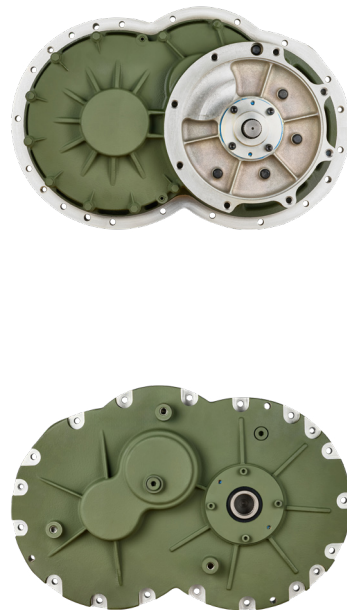
- No. Of patent : 34 Registration.
- 21 registration incl. transmission with a device for neutral position Application.
- 13 applications incl. cycloid gearbox
- No. of trademarks : 2 Company name & logo

GROUND DEFENSE SYSTEMS

E-Drive System
Pump Drive for ARV

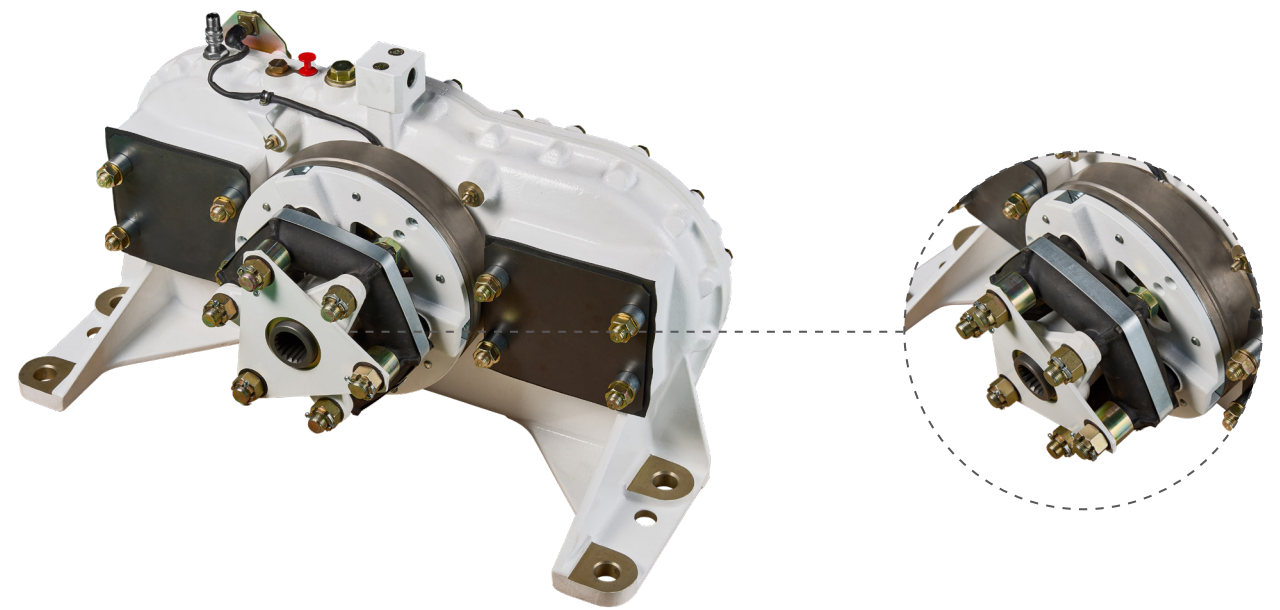
E-Drive System

- Quality : AGMA GRADE 10
- Capacity : 8,000 rpm x 40.6 Nm



Pump Drive for ARV

- Quality : AGMA GRADE 10
- Capacity : 2,600 rpm x 160 Nm



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AEROSPACE DEFENSE SYSTEMS

Reduction Gearbox (RGB)
Turbo Engine Gearbox



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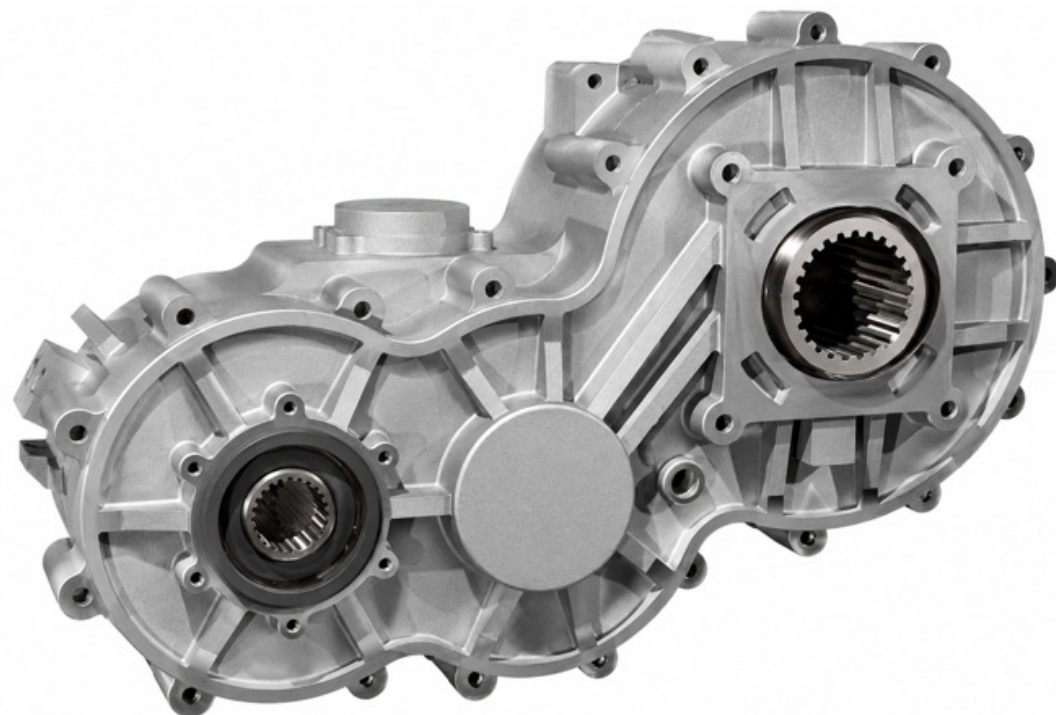
AEROSPACE

Precision
Machining



Turbo Engine Gearbox

- Quality : AGMA GRADE 12
- Capacity : 22,000 rpm x 60 Nm



Gears for AEROSPACE Transmission



ROBOTICS | Planetary Actuators
Industrial Robot

Planetary Actuators



Model	60	90	120
Outer Diameter (mm)	Ø 60	Ø 90	Ø 120
Gear ratio	1/8~30	1/15~40	1/20~50
Rated Torque (Nm)	6	25	65
Peak Torque (Nm)	18	75	180
Rated Speed (rpm)	150	100	80
Backlash (arcmin)	≤ 5	≤ 3	≤ 3
Rated Power (W)	100	250	500

Industrial Robot

