



*POWERFUL BRAND
OF THE SECTOR*

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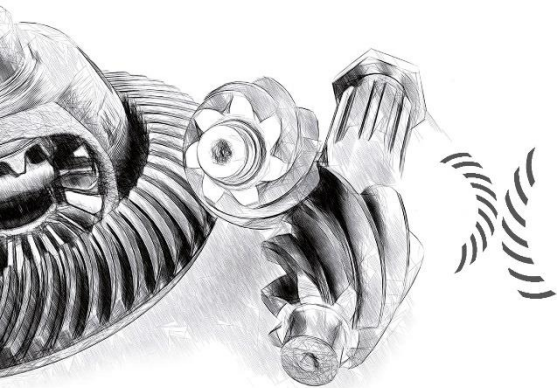


100%
*interchangeable
products with originals*



The leader crown wheel & pinion gears and differential parts manufacturer of TURKIYE !

More than 300 products !



Gleason System



HTV[®] gear industry
DIFFERENTIAL & PARTS

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- 1975 HTV Gear Founded
- 2013 Moved to New factory
- 2014 Established Heat treatment line
- 2019 Established Forging line
- 2024 New CNC Gear manufacturing machines were added to production line



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High quality gears made with pride in TURKIYE.

Our company HTV Gear Industry Co. Ltd. with its headquarters located in Konya, Türkiye is proud to provide the best quality & services, achieve a high level of customer satisfaction and supply widest selection of crown wheels and pinions for Automotive Industry on the condition of advantageous Turkish Industry since 1975. Our company has total 10,000 square meter facility.

We produce Crown Wheel & Pinions for commercial vehicles, (trucks & buses especially for well-known European brands) Light Commercial vehicles (Minibus & van) automobiles, heavy-duty construction machinery and for agricultural vehicles such as MERCEDES-BENZ, SCANIA, VOLVO, RENAULT, IVECO, DAF, IKARUS, MAN, HINO, MITSUBISHI, ISUZU, VW, TOYOTA, HYUNDAI, NISSAN, FORD, KIA, CAT, JCB, CARRARO, ZF, MERITOR-ROCKWELL, DANA-EATON, DANA-SPICER. Beside our standard products for heavy-duty vehicles, we also produce special order CW&P for automobiles.

We manufacture differentials and differentials parts for HTV Crown wheel and pinions are precision engineered to superior than original specification from high tensile steel billets for increased wear resistance and quality inspected to ISO9001-2008 standards.

We have the ability to take a customer's initial requirements, generate a concept and manage the process right through R&D, design, production and testing final delivery of a precision engineered, high performance, fully reliable, finished Crown Wheel and Pinions.

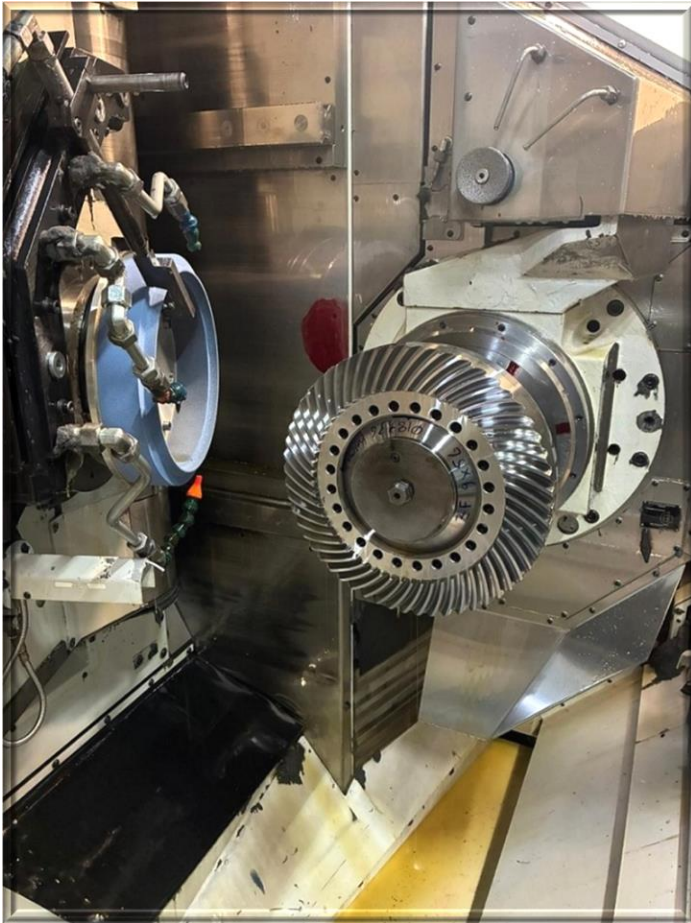
The main policy of our company is to rely more on the quality of the products, rather than the quantity.

It is the target of our company policy to assure with a wide spread company quality and customer orientation pertaining all company processes, that our customers receive on time top quality, reliable and reasonably priced products as well as to guarantee a consequent orientation to the requirements of our customers in all areas of our company.



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We export the goods directly and indirectly via our distributors. The factory exports the goods to; USA, Australia, Mexico, Brazil, Colombia, Iran, Iraq, Egypt, Malaysia, Singapore, Kirghizistan, UAE, Morocco, Yemen, Palestine and more.

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Our firm's principles are;

- Improving our workers with the principle: "Our workers are our primary resource"
- Cooperating with the suppliers about quality, who are a primary part of our production system,
- Investing in technology in research that may affect our the quality of our firm's products,
- Applying reforms for the satisfaction of our customers, workers and partners in union of all people involved in our production.

Thereby production to offer top quality, best competitive price and at the earliest for our customers.





We're able to manufacture all kind of crown wheel pinion gears and others. We can produce all kind crown wheel pinion gears between 50 mm to 500 diameters. We are using CNC gear cutting machines and gear generators on our production. Our all crown wheel pinion gears have been paired by the noise testing equipments.

We use the most popular method that the USA Gleason system in production of our gear sets. The gear sets are pairing with CNC Gleason 275G profile grinding machine and tested on CNC Gleason 500HCT. Every crown and pinion gears are quality checking during all production stages.

The CWP gears are heat treated in our own CNC IPSEN atmosphere controlled furnaces. We're monitoring the hardening of the gear sets in our metalurgical laboratory.

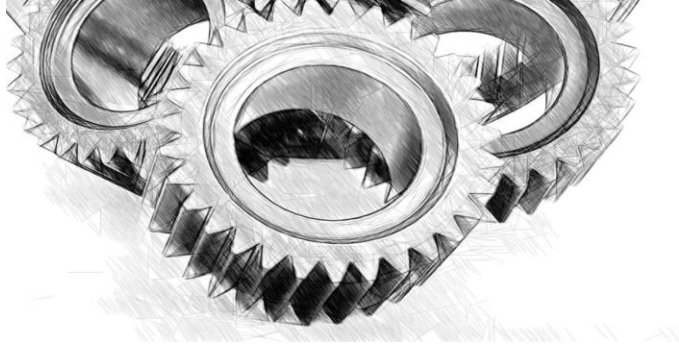
The forging of the gears, heat treatment and other process has been made on our own plants. On the production we are using NC and CNC gear cutting machinery, gear generators, gear shavers and gear hobbing machines. We are on your serve on the production of all kind helical, bevel and hypoid gears. We produce our goods from forged materials to enhance the hardness and durability. After the forging process, we work the forged materials first in CNC machinery, then they're cut and tested in GLEASON machinery. After the high quality gassy system heat treatment, the gears get coupled in GLEASON machinery with special lapping paste. After the quality control processes they're carefully packaged and stocked.

Our firm focuses facility investments in the area of spiral-hypoid and straight bevel gear production machines and we're proud of our quality in the crown wheel and pinion gears, also spider kits we make. We use the GLEASON system in the production of differential crown wheel and pinion gears and we adhere to the AGMA standarts.



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HTV Gear combines engineering expertise, advanced manufacturing technology, and precise heat treat processes to produce the highest quality parts for the most extreme applications. HTV Gear specializes in the manufacturing of gears for differentials in the heavy duty vehicles, light commercial vehicles, motorsports, and performance markets.

We have the ability to take a customer's initial requirements, generate a concept and manage the process right through R&D, design, production and testing final delivery of a precision engineered, high performance, fully reliable, finished Crown Wheel and Pinions. We are producing our products from forged steels to increase durability. The forged materials are first cut and tested in GLEASON machines after they are processed in CNC machines. The crown wheel pinion gears are heat treated in our own in-house IPSEN atmosphere controlled furnaces. Heat treated gears are carefully grinded on CNC grinders and then profile grinded or lapped with special lapping liquid on GLEASON machines and are numbered. The products that are finally passed through quality control procedures are packed and shipped. Our firm focuses facility investments in the area of crown wheel pinion and bevel gear production machines and we're proud of our quality in the crown wheel and pinion gears we make.

We consistently deliver high quality gears, quiet performance, clean installation and setup, durability, and longevity. It is the target of our company policy to assure with a wide spread company quality and customer orientation pertaining all company processes, that our customers receive on time top quality, reliable and reasonably priced products as well as to guarantee a consequent orientation to the requirements of our customers in all areas of our company. We are sure that our services and products will satisfy your expectations.

Metallurgical Lab :

Quality is the most important issue in our production. We have a fully staffed metallurgical lab to support our processing and customer requirements. We are carefully testing products with our test machines, analysis machines and laboratory. The quality is checking in all production stages.

Investing in new technology machinery to improve our firm's future plans, production quality, production amount and variety, improving our exporting with joining local and abroad fairs. Investing new production investments abroad and increasing the market share. By performing R&D about our customers' wishes, improving our quality.

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DIFFERENTIAL & PARTS
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GEAR PRODUCTION
DIŞLİ ÜRETİMİ



Gleason System



GEAR PRODUCTION MACHINES:

1 x GLEASON 600G CNC BEVEL GEAR GRINDING
4 x GLEASON 275G CNC BEVEL GEAR GRINDING
1 x GLEASON P210L CNC GEAR HOBBING
1 x GLEASON 500HCT CNC BEVEL GEAR TESTING
2 x GLEASON-OERLIKON CNC BEVEL GEAR LAPPING
13 x GLEASON BEVEL GEAR CUTTERS



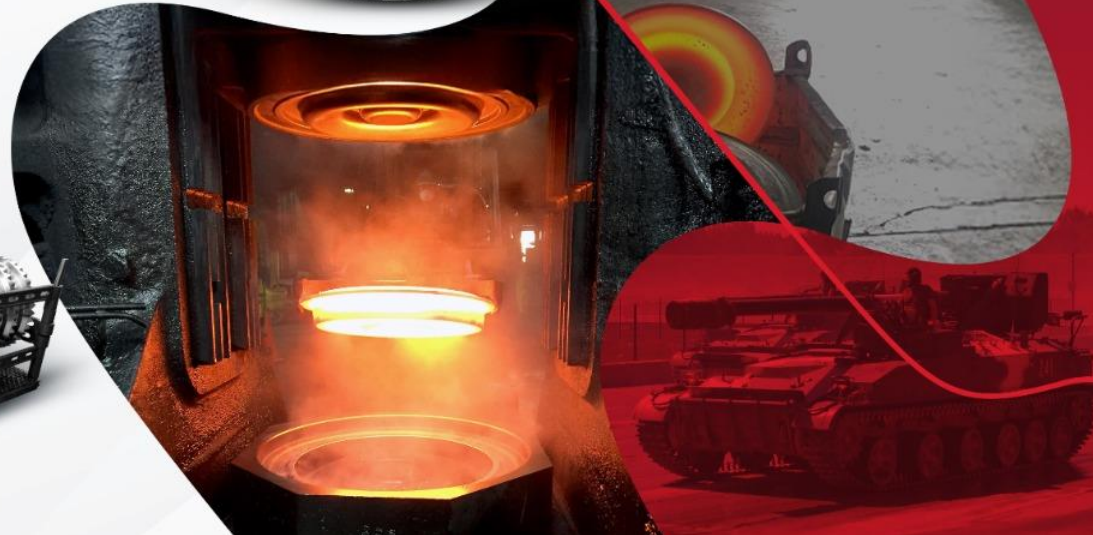
TURNING-MILLING MACHINES:

7 x CNC TURNING
2 x CNC MACHINING CENTER
1 x CNC GRINDING MACHINE





HOT FORGING
SICAK DÖVME



FORGING LINE:

- 1 x 13.000 KGM DIGEP COUNTERBLOW HAMMER
- 1 x 7.000 KGM PROGRESUL DROP HAMMER
- 1 x 4.000 KG ERFURT TRIMMING PRESS
- 1 x 1.000 KG STANKO OPEN DIE HAMMER
- 1 x 400 KG STANKO OPEN DIE HAMMER
- 1 x INDUCTION BILLET HEATER





Gleason-PFAUTER P 210

Gleason
275G

HEAT TREATMENT
ISIL İŞLEM



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DIFFERENTIAL & PARTS

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HEAT TREATMENT LINE:

3 x IPSEN ATMOSPHERIC PLC ELECTRICAL HEATED FURNACE

4 x IPSEN ELECTRICAL HEATED TEMPERING

2 x IPSEN ELECTRICAL WASHING

1 x IPSEN LOADER-UNLOADER



TEST MACHINES:

- 1 x AUTOMATIC DIGITAL MICRO HARDNESS TESTER
- 1 x DIGITAL ROCKWELL BRINELL HARDNESS TESTER
- 1 x LABORATORY SAMPLE CUTTER
- 1 x AUTOMATIC DOUBLE DISC POLISHING
- 1 x PORTABLE HARDNESS TESTER



FINISHING - POLISHING MACHINES:

- 1 x SHOT BLASTING – STANDARD FINISHING
- 1 x ISOTROPIC SUPERFINISHING PROCESS (ISF)



· ISOTROPIC SUPERFINISHING PROCESS (ISF)

for less friction between the gears, reducing wear.

BENEFITS:

- Reduced maintenance costs
- Increased durability and lifespan
- Improving corrosion resistance
- Reduces the rolling and running noises of gears
- Reductions to friction, operating temperature, and vibration/noise; increases in efficiency, load-carrying capacity, contact fatigue resistance, and bending fatigue resistance; and reductions in lubricant needs.

Super finishing increases performance, efficiency and the life of metal to metal contact components in vehicles.

Motorsport parts experience high temperatures and friction as a result of high speeds under high torque requirements. Super finishing creates a smooth but crosshatched micro-textured surface that withstands harsh conditions and drives performance.

This process will increase fuel and operating efficiency, eliminate break-in requirements and reduce operating temperatures to help parts last considerably longer than standard components.

PERFORMANCE BENEFITS:

Reduced friction

Reduced wear

Reduced lubrication requirements & costs

Reduced contact & bending fatigue

Reduced vibration & noise

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- Reduced applied torque requirements
- Increased part durability
- Improved oil retention
- Improved pitting resistance
- Thinner oils can be used
- Produces a uniform & superior surface finish

Additional advantages of friction reduction:

- Increased fuel and energy economy
- Increased power density
- Reduced maintenance costs
- Reduced metal debris in oils
- Reduced part failures & overheating
- Lowered operating temperature
- Extended component life & mean time between maintenance
- Eliminate break-in





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