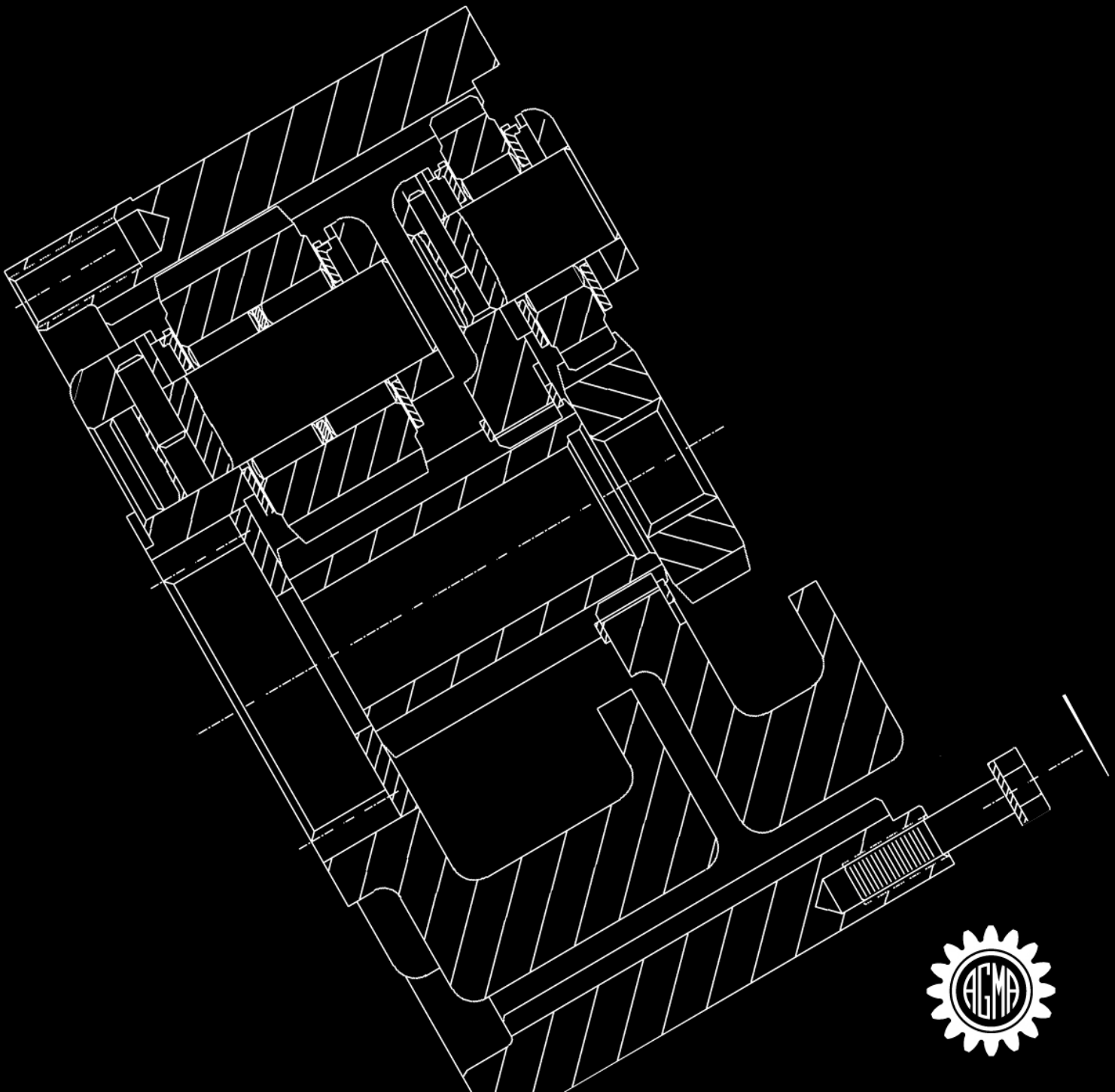
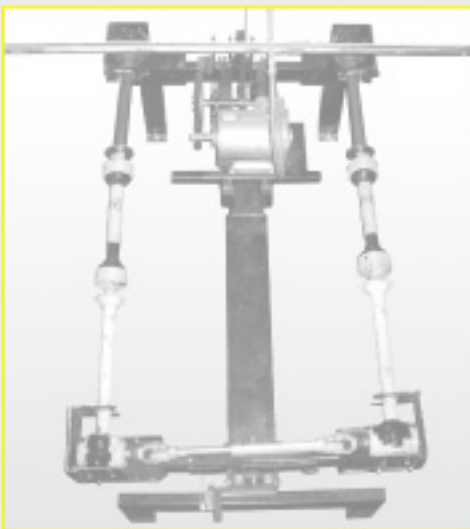
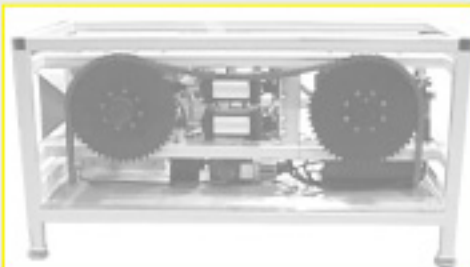
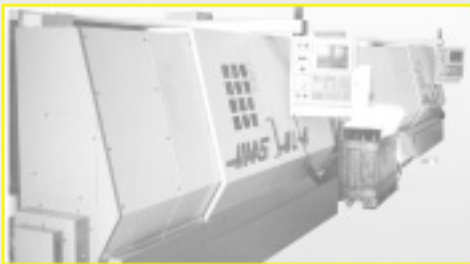




OMNI GEAR

INDUSTRIAL CLASS
GEARING





History

Omni Gear began supplying power transmission equipment for agricultural machinery in 1958. Today, we are a world class manufacturer supplying gear boxes, specialty forgings, and custom gears globally for a variety of industries and applications.

Our mission is to manufacture the highest value power transmission systems for ag & turf, construction and mobile industrial equipment manufacturers.

Capabilities

Our Shanghai Plant was established in 1994 to service the industrial markets with AGMA class 8-10 gearing in production lots of 50 to 10,000 pieces. It is American owned and American managed. Expatriate leadership extends from the General Manager to, Quality Control, ACAD Design, Manufacturing Engineering and CNC Production. No other Chinese gear manufacturing facility has this level of American leadership combined with modern CNC machining, gear production, inspection and testing equipment.

With 42 years of manufacturing experience in Asia and 20 years in China, Omni Gear has become a recognized leader within the foreign invested industrial community within China providing both product support and technical advice. We have developed an excellent supplier base for precision forgings and castings, gray and ductile iron, chinese and imported alloy steels, deep drawn stainless steel, impact resistant thrust washers and bearings, ISO 12.9 fasteners and other quality hardware.

Opportunity

The combination of dedicated American expatriate management and modern machine tools with low overhead and labor costs yields world class industrial components at a globally competitive price. Allow us to quote your industrial gearing needs and utilize Omni Gear's globally competitive advantage for your company. The more value we add, the more you will save.



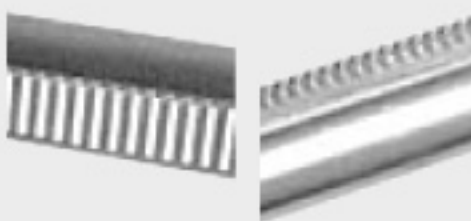
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Omni Gear is capable of producing gears and other parts per your drawings or engineering, designing and manufacturing to meet your application requirements. Customer supplied material can be processed by Omni Gear ranging from cut teeth only to finish complete. Or, Omni Gear can supply material per your requirements with available materials ranging from bronze and aluminum to alloy steel meeting AGMA grade 2 gear material requirements.

Omni Gear strives to improve and expand manufacturing capabilities. We are continually acquiring additional machinery and making advances in our production technology to meet the ever changing market needs. Please contact the Omni Gear Sales Department or your local Omni Gear representatives if your current demands are not covered below.

Gear Teeth Cutting



External Involute Spur & Helical Gears

Pitch Diameter:	.....1" to 15"	{25mm to 380mm}
Diametral Pitch	.....24DP to 2DP	{1.0M to 12.7M}
Helix Angle:	.....0° to 45°	-
Face Width:	.....up to 10"	{up to 250mm}
Class*:	.....AGMA 10	{ISO 7}

*Higher class gearing available with grinding through OMNI GEAR cooperative vendor agreement.

Internal & Cluster Spur Gears

Pitch Diameter:	.....1.5" to 15"	{37mm to 380mm}
Diametral Pitch	.....24DP to 2DP	{1.0M to 12.7M}
Face Width:	.....up to 6"	{up to 152mm}
Class:	.....AGMA 9	{ISO 8}

External & Internal Splines

OD:	.....up to 16"	{up to 406mm}
Diametral Pitch	.....24/48DP to 2/4DP	{1.0M to 12.7M}
Face Width:	.....up to 10"	{up to 250mm}
Forms:	.....Involute, Straight sided	
Standards	.....SAE, ISO, JIS, DIN	

Rack Gears

Diametral Pitch	.....24DP to 2DP	{1.0M to 12.7M}
Face Width:	.....1" to 10"	{25mm to 250mm}
Length:	.....1" to 64"	{25mm to 1.5 meters}
Class:	.....AGMA 8	{ISO 8}

Machining



Turning

OD:	.....up to 24" (up to 610mm)
Length:	.....up to 100" (up to 2.5 M)
Rotation:	.....Horizontal
Types:	.....Manual, Automatic, CNC

Broaching

OD:	.....up to 30" (up to 762mm)
str??:	.....up to 40" (up to 1.4 M)
Power:	.....up to 20 tons

Milling

Size:	.....20" x 60" (508mm x 1.5M)
Height:	.....up to 30" (up to 762mm)
Types:	.....Manual, CNC

Grinding

OD:	.....1" to 30" (25mm to 762mm)
ID:	.....1" to 20" (25mm to 508mm)
Length:	.....up to 60" (up to 1.5M)
Types:	.....OD, ID, Surface



Industrial Class Gearing at Globally Competitive Quality and Pricing

Omni Gear has a full staff of design engineers to review and evaluate your gearbox application requirements, whether for a new application or for reverse engineering from existing product drawing samples. CAD is used exclusively for all product development and final design. All purchased components, raw materials and out sourced services are strictly controlled by Omni Gear inspection process controls and cooperation agreements resulting in reliable and consistent quality. Gearboxes can be shipped fully assembled, partially assembled, ingroupings for minimum inventory management, or as loose parts as required by our customers.

Omni Gear is continually developing new gearboxes as standard offered products as well as for specific markets and applications. Please contact the Omni Gear Sales Department or your local Omni Gear representative if your current demands are not covered below.

Gearbox Assemblies Planetary Gearboxes - Catalog Units



Output Torque 7,500 in-lb. to 120,000 in-lb. (130Nm to 13,560Nm)
Ratios: 2.75:1 to 50:1
Input Speed: up to 5000 RPM
Output Drive Types: ... Wheel, Hex Shaft, Spindle & Pinion Shaft
Input Drive Types: SAE, ISO, and NEMA Motor Flanges
Options Include: Neutral Settings, Wheel Studs, Customer Logo's
Input Drive Splines: ... SAE 13T, 15T, 14T, 21T & 6B Teeth

Planetary Gearboxes - Customer Design



Using the modular assembly principle of the Omni Gear planetary, customer designed planetary gearboxes can be made as required within the performance ranges of our catalog units. Some examples of customer designed planetary gear drives are: Custom Auger drives, Integral Motor, Brake & Gearbox drives, Quad Reduction Units with a 1000:1 ratio, Right Angle Inputs, Hoist Drives with a Slip Clutch.

In addition, OMNI offers grouped components allowing our customer to conveniently use our planetary components with your components to economically create your own custom planetary gearbox assemblies.

Parallel Shaft Gearboxes



Output Torque 1,000 in-lb. to 150,000 in-lb. (130Nm to 17,000Nm)
Ratios: 1:1 to 200:1 (Increasing or Reducing)
Input Speed: up to 5000 RPM
Input & Output
Shaft Types: Round, Spline, Pinion, Pinion Flange & Hollow
Drive Types: SAE & ISO Flanges, AGMA Motor Flanges, Integral Motors
Options Include: Various Mounting Positions, Multiple Speed Units
Housing Material

Non Geared Assemblies



Non geared assemblies with rotating elements ranging in weight from 5 lb. to 200 lb. (2.3 kg to 90 kg) may be able to be made by Omni Gear. Please contact the Omni Gear Sales Department or your local Omni Gear representative so we may review your applications.



**Industrial Class Gearing
at Globally Competitive Quality and Pricing**



Dear Valued Customer:

Standard Terms and Conditions of Sale

The following letter serves to define Omni Gear's Warranty policy effective January 1, 2006. Omni Gear warrants its Products to be free defects in materials and workmanship when installed and maintained consistent with Omni Gear's specifications. Unless otherwise specified below, each Product is warranted for a period of 12 months from the date of retail delivery or 18 months from the date of shipment from Omni Gear's facility, whichever shall first occur. All replacement or spare parts supplied by Omni Gear are warranted for a period of 3 months from the date of shipment from Omni Gear's Facility.

Should any part of an Omni Gear Product be found, under normal use and service, during the warranty period, to be defective, Omni Gear shall repair or replace, at its sole option, said part FOB Omni Gear's facility, Houston, Texas, provided the defective gear drive, in whole, is returned to Omni Gear's facility, charges prepaid, accompanied by a Return Goods Authorization Number ("RGA") and defect report detailing the claimed defect, and provided inspection of the original Product establishes the claimed defect to the satisfaction of Omni Gear. In the event a warranty claim is denied, an Omni Gear Customer Service representative shall contact the customer and advise of the cost to repair the Product not covered under warranty. If the customer requests the Product be repaired, the repaired Product shall carry a Manufacturer's Remanufactured Warranty of 6 months from the date of remanufacture.

Warranty Disclaimer and Limitations of Liability

Omni Gear makes no other warranties. No warranty of merchantability or fitness for a particular purpose is implied. Omni Gear's liability under this warranty is limited to the conditions stated herein. OMNI GEAR SHALL NOT IN ANY EVENT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGE including, but not limited to expenses, attorney fees, loss of income or profits due to delay or defective material or workmanship and no allowance will be made for repairs, replacements, transportation or freight charges, or alterations UNLESS authorized in writing by

Omni Gear. Omni Gear's warranty is subject to change without notice. This warranty shall not apply to any Product upon which repairs or alterations have been made, improper lubrication including type and frequency, excessive shock loading, improper application or for misused, neglected or incorrectly installed Product. This warranty shall not apply in the event proper gearbox lubrication and service is not maintained.

All gearbox Product lubrication must be flushed and refilled after the first 100 hours of service, and then every 1000 hours thereafter. This warranty shall not apply to seals in the event they have been subjected to heat in excess of 200 degrees, paint, solvents or other chemicals in the assembly or painting processes. Any Omni Gear Product that remains unused for a period of 6 consecutive months during the warranty period shall not be warranted for leakage due to seal aging. The warranty for bearings shall be limited to the warranty provided by the bearing manufacturer. No Product will be eligible for warranty if rust or corrosion has started on internal surfaces.

The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Omni Gear in writing, shall constitute the entire Agreement concerning the Product sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Texas. Legal proceedings arising out of the terms of Omni Gear's warranty must be commenced within one (1) year of the accrual of the cause of action or be forever barred.

Note: The information shown online and in all catalogs is for general purposes only. Not to be used for manufacture, design or application review. OMNI GEAR reserves the right to update or change its products; therefore the information shown is subject to change. Bearing curves are supplied for design reference purposes only. They are intended to help illustrate the importance of radial load position relative to the gearbox. For detailed analysis or application review, contact OMNI GEAR engineering.

Exceptions

Exceptions to Omni Gear's stated Warranty Policy must be in writing, and made a part of this Limited Warranty. Customer Product Group Limited Warranty Effective Date