

GEAR

Nippon Gear started out as a gear manufacturer and has been in the industry for over 80 years. Our gears are manufactured with state-of-the-art facilities and are supplied to a wide variety of industries such as automotive, railroad, and industrial machinery both in Japan as well as around the world.



Bevel Gear



Hypoid Gear



Helical Gear



Spiral Bevel Gear



Cylindrical Gear



Worm Shaft and wheel

Processing range

	Category	Capacity	Remarks
1	Weight	5t	
2	Worm Shaft	L=500	
3	Wheel Shaft	Φ600	
4	Inner Gear	Φ600	Outer diameter size
5	Spur Gear (outer dia)	Φ1800	
6	Spur Pinion Gear	L=2000	
7	Double Helical Gear		Pitch Line Velocity: over 90 PLV (m/s)
8	Bevel Gear (outer dia)	Φ1200	
9	Bevel gear pinion	L=2000	

Machine Tools



DMC125FD



HF 2000



Rapid 2000



NTX3000



VTLex1600M

Equipment name	Specifications	
Spur / Helical Gear Tooth Grinding Machine P800/1000G, RAPID2000	Max Pitch Diameter Max Module	: Φ 2000mm : M30
Spiral Bevel Gear / Hypoid gear Gear cutting machine No16, No118, No609, No610, No26, No28	Max Pitch Diameter Max Module	: Φ 838mm : M16.5
Straight Bevel Gear Gear Cutting Machine No14, No24	Max Pitch Diameter Max Module	: Φ 900mm : M16.9
Gear Hobbing Machine GD-30CNC, KN-150CNC, KS-14, KB-400, KL1000, KA400CNC, HF2000, etc...	Max Pitch Diameter Max Module	: Φ 2000mm : M30
Gear Shaper SD25CNC, SC25CNC, SA63NC, etc...	Max Pitch Diameter Max Module	: Φ 700mm : M8
Heat Treatment Furnace (Carburizing) PNR2448, PNR3660, PKM40, VSQ182436, etc...	Max Pitch Diameter Max Length	: Φ 900mm : 1400mm
Quenching Press No16, No537, No36	Max Diameter	: Φ 914mm
Gear Measuring Machine TTi-1200E, P150, etc...	Max Gear Outer Dia. Max Module	: Φ 1800mm : M30
Turning Center VTLex1600M	Max Working size	: Φ 1500 x L1900
5-axis Machining Centers DMC125FD	Max Working size	: 1250 x 1250 x 1000
All-round machine NTX 3000	Max Working size	: Φ 670 x L3000

Applications



Train (wheel turning)



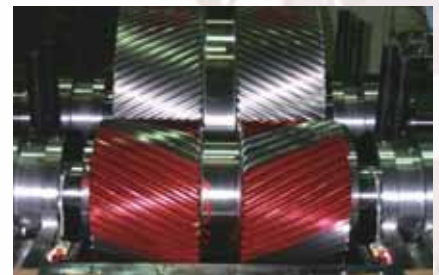
Ships (thruster)



Forklift (driving gear)



Construction Machinery (turning of cockpit)



Turbine Compressor (High speed Gears)

