

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



Double Helical Gear



Helical Gear



Spiral Bevel Gear



Cylindrical Gear



Worm Shaft and Wheel

Processing range

	Category	Capacity (mm)	Remarks
1	Worm Shaft	$\Phi 400 \times L3000$	
2	Worm Wheel	$\Phi 2000$	
3	Inner Gear	$\Phi 2000$	Outer Diameter
4	Helical Gear	$\Phi 1800$	
5	Spur Gear	$\Phi 1800$	
6	Double Helical Gear	$\Phi 1800$	
7	Bull Gear & Pinion	$\Phi 1800$	
8	Bevel Gear & Pinion	$\Phi 2000$	

Machine Tools



DMU210FD



HF 2000



Rapid 2000

Equipment name	Specifications	
5-axis Maching Centers DMU210FD, DMC125FD	Max Working size	: 2100 x 2100 x 1250
Multi-Axis CNC Machine NTX3000, NTX2000	Max Working size	: $\Phi 670 \times L3000$
Spur / Helical Gear Tooth Grinding Machine RAPID2000, P800/1000G	Max Pitch Diameter Max Module	: $\Phi 2000\text{mm}$: M30
Gear Hobbing Machine HF2000, KL1000, KA400CNC, KB-400, etc...	Max Pitch Diameter Max Module	: $\Phi 2000\text{mm}$: M30
Spiral Bevel Gear / Hypoid gear Gear cutting machine No28, No26, No610, No609, No118, No116, No016	Max Pitch Diameter Max Module	: $\Phi 838\text{mm}$: M16.5
Straight Bevel Gear Gear Cutting Machine No24, No14	Max Pitch Diameter Max Module	: $\Phi 900\text{mm}$: M16.9
Gear Shaper SA63NC, SD25CNC, SC25CNC	Max Pitch Diameter Max Module	: $\Phi 700\text{mm}$: M8
Direct Carburizing NDC-1000, NBT-1000, NVW-IE-1000	Max Pitch Diameter Max Length	: $\Phi 900\text{mm}$: 1400mm
Turning Center VTLex1600M	Max Working size	: $\Phi 1500 \times L1900$
Gear Measuring Machine P150, TTI-1200E, etc...	Max Gear Outer Dia. Max Module	: $\Phi 1800\text{m}$: M30



NTX3000



VTLex1600M

Applications



Shield Machine (Spur Gear)



Train (wheel turning)



Ships (thruster)



Forklift (driving gear)



Construction Machinery (turning of cockpit)



Turbine Compressor (High speed Gears)

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