

DG GROUP

Group of companies



Line of Business

- ❖ Mfg. Gear Hobbing Machine 6 Module (Heavy Duty)
- ❖ Boring & Precision Machining Work
- ❖ Custom Machining as per Drawings
- ❖ CNC & VMC Component Machining
- ❖ All type of Gears Manufacturing & Job Work
- ❖ Mfg. Industrial Helical & NU Reduction Gearbox
- ❖ Mfg. & Job Work Of Power Loom Machinery Spare Parts (Textile)
- ❖ All Type of Ginning Machine Spare Parts

About Us

DG PANCHAL – Since 1983,






With decades of excellence in precision engineering, **DG PANCHAL** stands as a trusted name in the manufacturing of **Heavy-Duty Gear Hobbing Machines (6 Module)** and a wide range of **industrial machining solutions**, we have consistently delivered reliable and high-performance engineering components tailored to the specific needs of our clients.

Our expertise spans **Boring & Precision Machining, CNC & VMC Component Machining, Custom Machining as per Drawings**, and All Type of **Gear Manufacturing & Job Work**, making us a one-stop solution for clients across industries such as **textile, Agriculture, automotive, and heavy engineering**.

At **DG PANCHAL**, our mission is to provide innovative, quality-driven manufacturing backed by advanced technology, experienced professionals, and a customer-focused approach. We are proud to support our clients with solutions that reflect **accuracy, durability, and efficiency**—every step of the way.

Our team comprises the following:

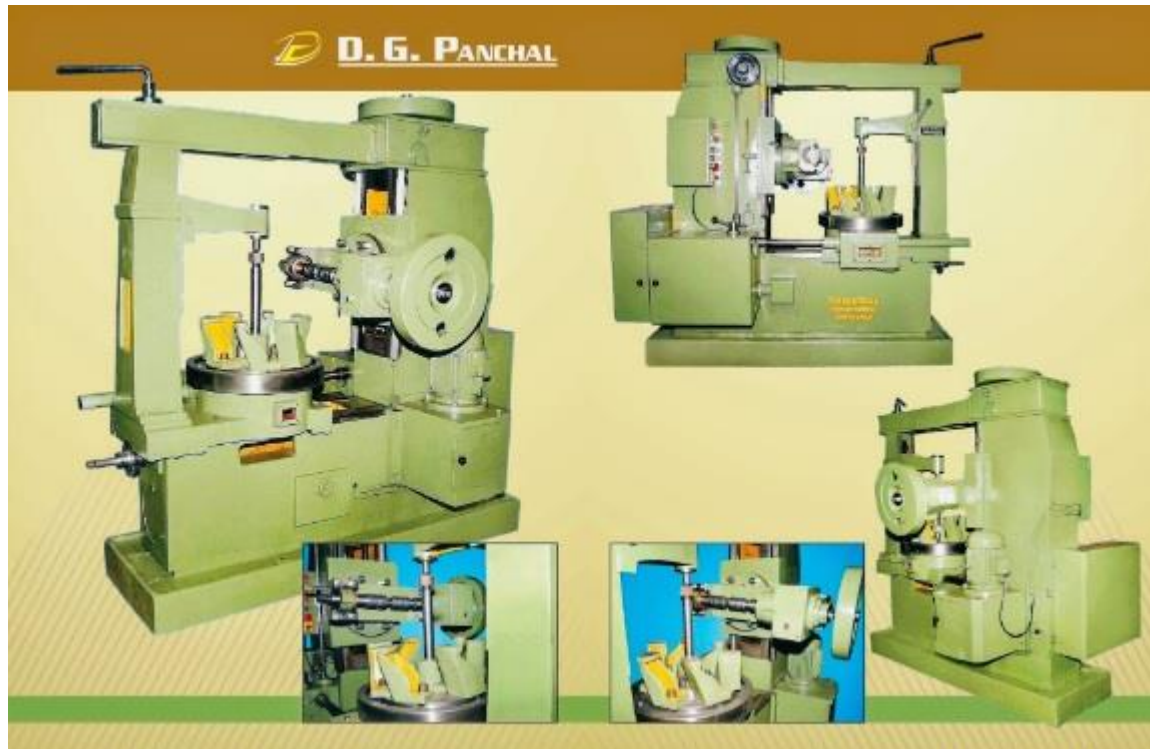
At **DG PANCHAL**, our strength lies in a highly skilled and dedicated team that brings expertise, innovation, and efficiency to every project. Our workforce is the backbone of our commitment to quality and precision.

-  **Procurement Specialists** – Responsible for sourcing high-quality raw materials.
-  **Quality Controllers** – Ensure every product meets strict quality standards.
-  **Technocrats & Engineers** – Drive innovation and excellence in design and production.
-  **Sales & Marketing Executives** – Bridge client needs with tailored engineering solutions.
-  **Skilled & Semi-skilled Labor** – Execute precision manufacturing with craftsmanship and care.

Our Product

Gear Hobbing Machine 6 Module (Heavy Duty)

Designed for precision and long-lasting performance



GEAR HOBBIING MACHINE Main Specifications

Gear Dia.Range	75-250 mm
Max.Width of Gear:	150-200 mm
Hob Diameter:	25-75 mm
Pitch Capacity:	2 M. for steel & 2.5 M for Cast iron
Number of teeth cut:	4-400
Hob Spindle RPM:	20-130
Cutter Helix Angle:	0-45° RH & 0-45° LH (Total 90°)

Detail other Specifications

Max.Continuous out put(Max.Pitch):	6 Module / 4 D.P.
Max.Dia.of Gear with support:	610 mm
Min.Dia.of Gear:	12.7 mm
Max.Face width of Spur Gear:	300 mm
Face Cap.for Helical Gear:	At 45°-125mm:At 30°-150 mm At 15°-175 mm
Dia.of work Table:	600 mm
Work table Bore:	76.2 mm
Max.Distance Between Hob & Work Table:	38 mm
No.of Hob Spindle Speed	6
Working Arbor:	31.75 mm
Max.Travel of Hob Slide:	350 mm
Max./ Min. feed of Hob Slide:	0.254 mm to 0.0254 mm
Main Drive Motor:	3 HP N.G.E.F.
Rapid Motor:	1.5 HP N.G.E.F.
Coolent Pump Motor:	0.5 HP

 **D. G. PANCHAL**
MFG. OF GEAR HOBBIING MACHINE (HEAVY DUTY)
AHMEDABAD.

All Type of Gear Manufacturing & Job work



Spur Gear



Helical Gear



Bevel Gear



Gear Rack



Miter Gears



Herringbone Gear



Hypoid Gear



Internal Gears



Screw Gears



Worm Gears

Including Spur, Helical, Bevel, Worm, Nylon, Cast Iron, Textile, Industrial & Crusher Machine Gear

All Kind of Boring & Precision Machining Work – High Accuracy machining with strict tolerance control
& Custom Machining as per Drawing- Specialized solutions to meet unique industry requirement.



CNC & VMC Component Machining – Custom accurate parts with excellent finishing



Leading Manufacturer of NU Reduction Gearbox

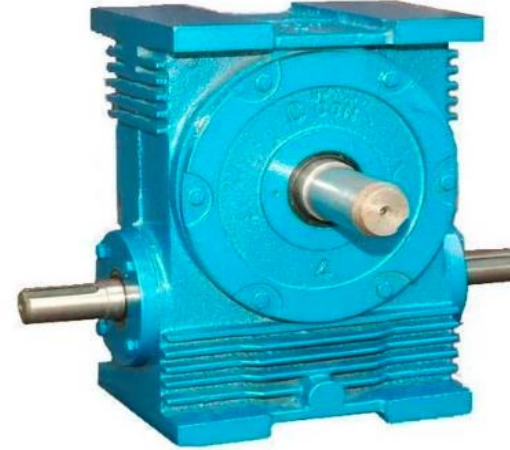
1.75 NU Reduction Gearbox



2 NU Reduction Gearbox



2.5 NU Reduction Gearbox



3 NU Reduction Gearbox



5 HP 4 NU Reduction Gearbox



5 NU Reduction Gearbox



6 NU Reduction Gearbox



15 HP 8 NU Reduction Gearbox



Industrial Helical Gearbox Manufacturing & Development



An **industrial helical gearbox** is a high-performance mechanical transmission system used to **reduce speed** and **increase torque** in a variety of heavy-duty industrial machines. It uses **helical gears**, which have **angled teeth** that engage more gradually than straight-cut gears, resulting in **smoother, quieter, and stronger** operation.

"We specialize in precision gear ratio modifications to effectively increase or decrease gearbox output RPM, delivering customized solutions that enhance performance, efficiency, and reliability across a wide range of industrial applications."

Ginning Machine Spare Parts

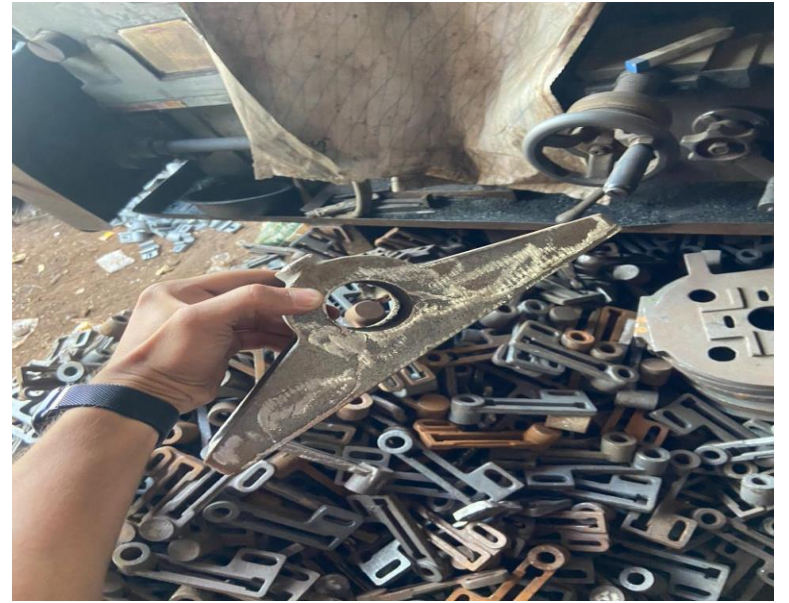


A **Ginning machine** is used in the textile industry to **separate cotton fibers from seeds**. It's a critical part of the cotton processing line and comes in various types like

Connecting Rod, Beater Arm, Base Plate, Beater cap, All type of Ginning Gears

Power Loom Machinery Spare Parts – High Quality Spares for seamless textile operations





Why Choose Us?

- **Quality Assurance:** Products manufactured with superior-grade materials ensuring efficiency and durability.
- **Commitment to Accuracy** – We deliver components with extremely tight tolerances and high dimensional accuracy.
- **Advanced Machinery** – Equipped with CNC and VMC machines for efficient, high-quality production.
- **Industry Experience** – Backed by 25 years of hands-on expertise and a deep understanding of precision engineering.
- **Timely Delivery:** Extensive distribution network ensuring on-time shipment.
- **Customer Satisfaction:** Trusted by global clients for reliability and performance.

Contact



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