

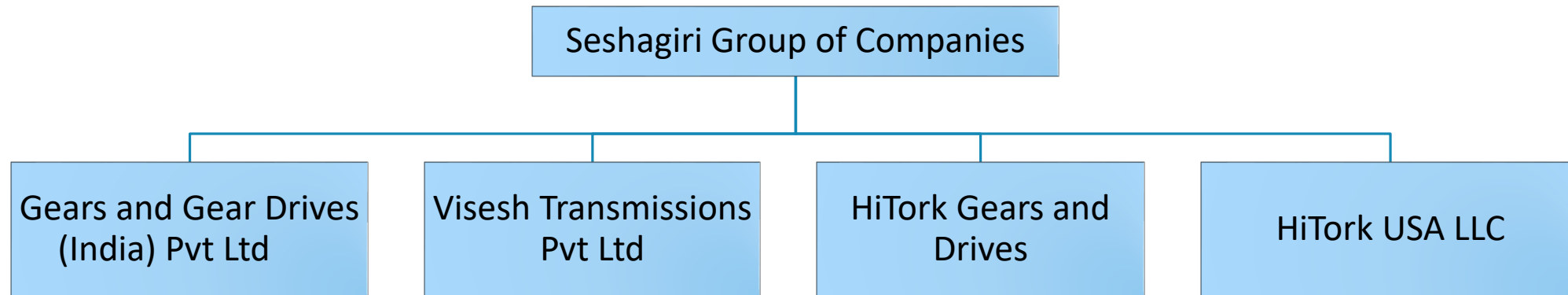


Gear and Gear Drives (India) Pvt Ltd

- HIGH STRENGTH LINEAR ACTUATION TECHNOLOGY
- PRECISE POSITIONING
- MOTION DRIVE CONTROL PRODUCTS



Group of Companies



Established	1982, Bangalore. India
Business Information	Manufacturers of Screw jacks, Bevel Gearboxes, Lifting Systems
Employees	52
Plant	20000 Sq.Ft + 1500 Sq.Ft Office
Turn Over	80 M

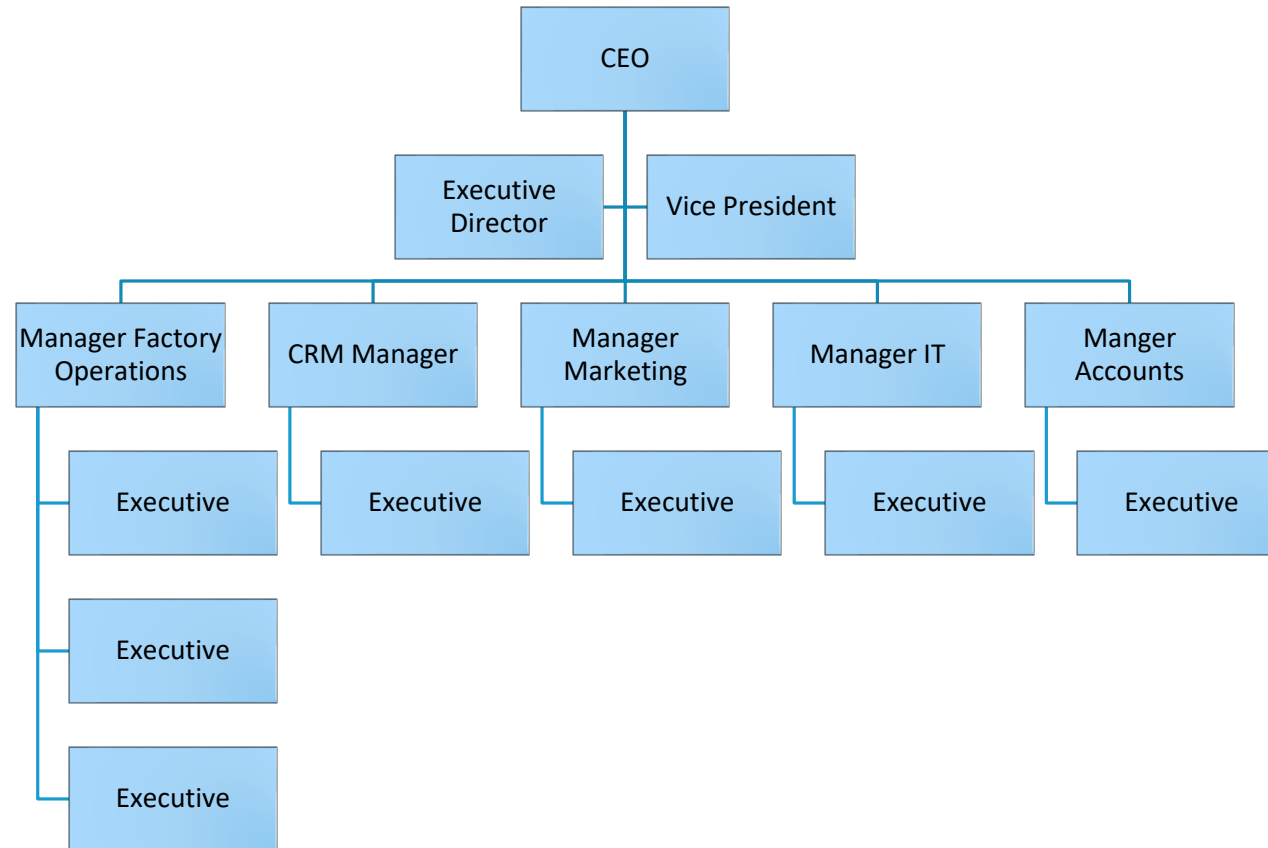
Established	2007, Bangalore. India
Business Information	Universal Joints, Bevel Gearboxes, Column Lifts,
Employees	20
Plant	10000Sq.Ft
Turn Over	20 M

Established	1982, Bangalore. India
Business Information	Straight Bevel Gears, Spiral Gears, Helical Gears, Open gearings
Employees	10
Plant	5000 Sq.Ft
Turn Over	1.3M

Established	2016, NC, USA
Business Information	Suppliers of Screw jacks, Bevel Gearboxes, Lifting Systems
Employees	5
Plant	1200 Sq ft
Turn Over	5M



Organization structure & Team



Management Team	6
Mangers	10
Operator	50
Helper +Others	10
Neem	2
Total	78



Defence



Steel, Automation



Medical Industry



Rubber Processing

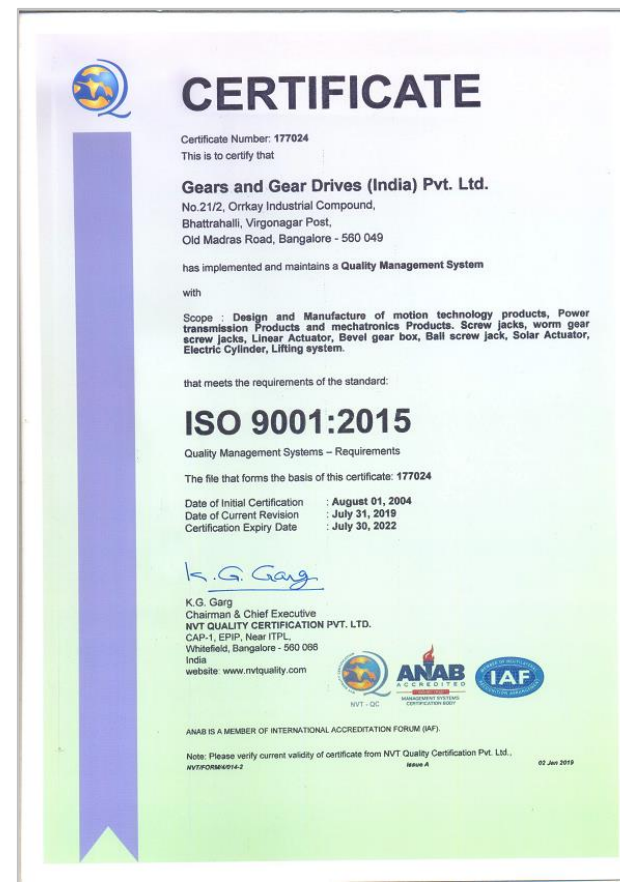
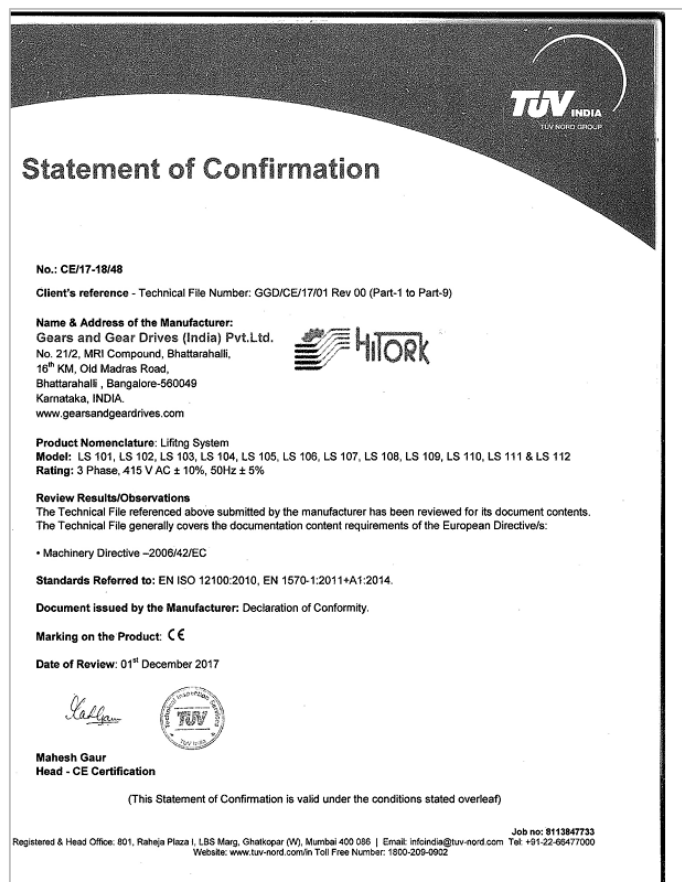


Solar Panels





Our Certifications





Other Certifications



- ✓ ***AGMA – American Gear Manufacturers Association***
- ✓ ***IGCC – Indo German chamber of commerce***
- ✓ ***EEPC – Engineering Export Promotion Council of India***
- ✓ ***IICC – Indo Italian chamber of commerce***

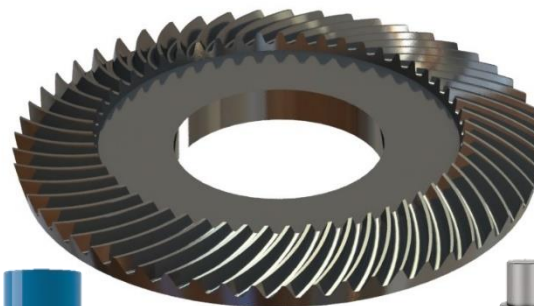
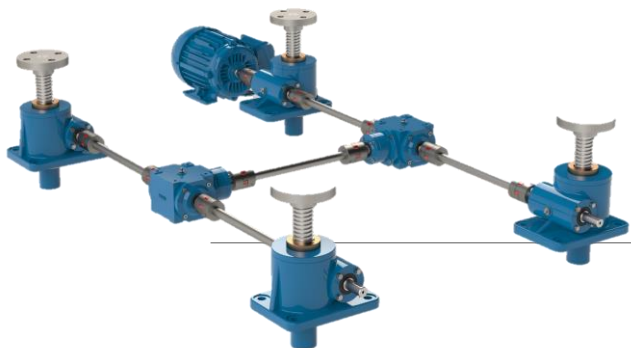


Our Product Categories

- Motion Control and Automation Technology
- Power Transmissions Technology
- Mechatronics Technology
- Special Execution Products

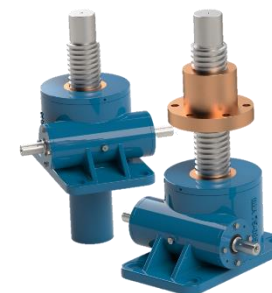
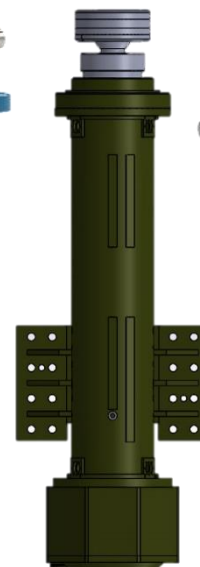
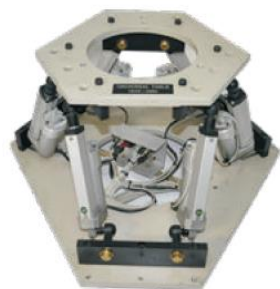


Galaxy of Our Products



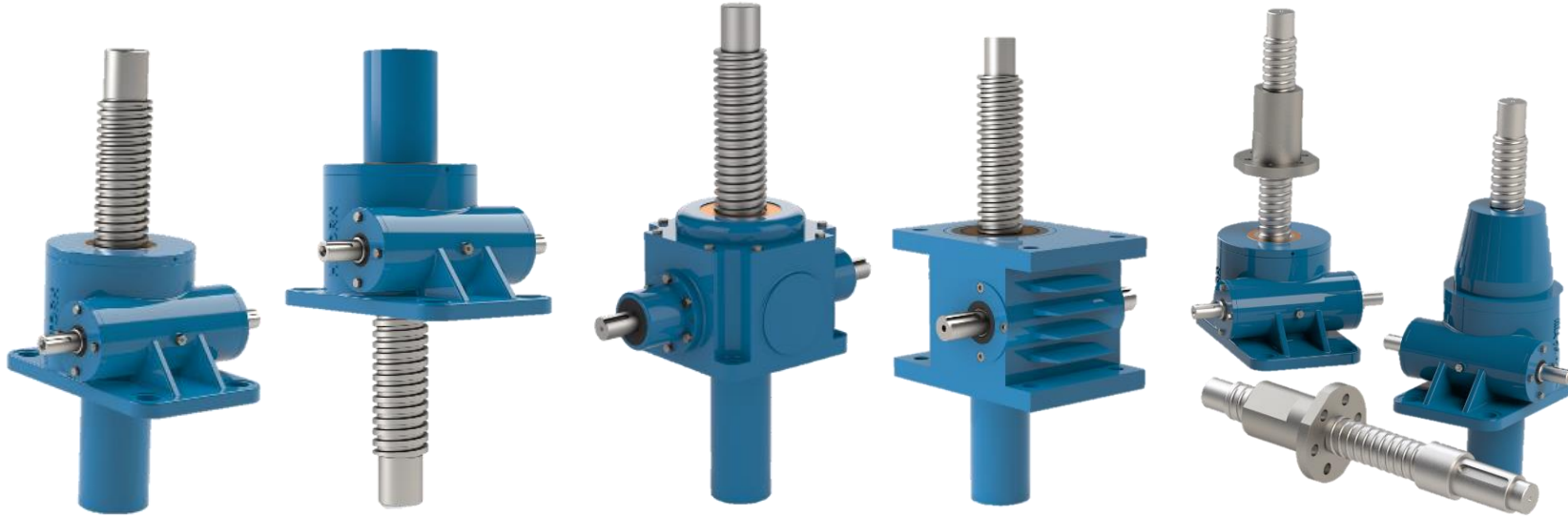
Quality... Innovation... Reliability...

Quality... Innovation... Reliability...





Screw Jacks



Leading Spec.

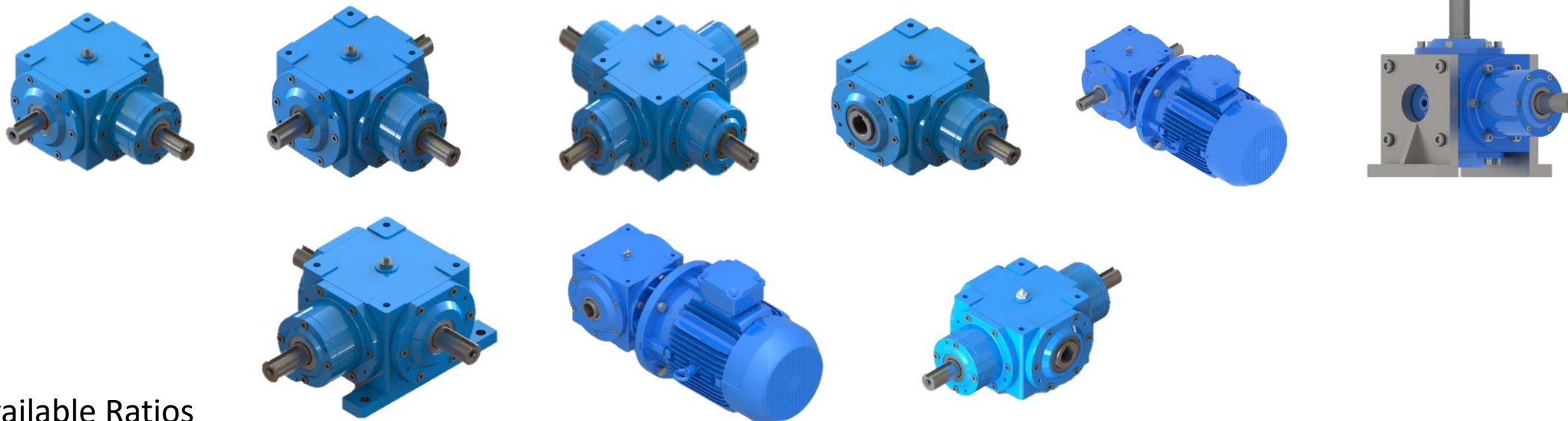
- ✓ 0.25 Ton to 250 Ton
- ✓ Screw Rod Length : Max 9 Feet 9 Inches

Optional Design

- ✓ Stainless Steel
- ✓ Food grade Jacks



Bevel Gearbox



Available Ratios

- 2 Way - Types A, B, C, D
- 3 Way - Types E, G, (F-special)
- 4 way - Types H, J, (I-special)
- Hollow Output shaft - Types K & M

Available Ratios

- 1:1 - Standard
- 1.5:1, 2:1 - Optional



Lifting Systems

LS 101



LS 102



LS 103



LS 104



LS 105



LS 106



LS 107



LS 107



LS 108



LS 109



LS 110



LS 111





Mechanical, Electrical And Control Electronics Accessories



Top Plate



Clevis



Fork



Bellow



Hand Wheel



Worm Reducer



Hand Crank



Geared Motor



Swivel Base



Electric Motor



Servo Motor



Encoder



Proximity Switch



Reed Switch



Limit Switch



Overload Protection Relay



Potentiometer



Universal Joints



Available Designs

- Single Universal Joints
- Double Universal Joints
- Expandable Universal Joints



Machining facilities



EXTERNAL CNC THREAD WHIRLING MACHINE





ALPHA CNC TURNING MACHINE





CYLINDRICAL GRINDING MACHINE GERMANY PLC CONTROL SCHAUDT MIKROSA BWF-PF 43





CNC TURNING CENTER – SCHAUBLIN-GERMANY





LMW CNC TURNING CENTER





BEVEL GEAR GENERATOR – GLEASON USA





KEY WAY MILLING BUSH - GERMANY





Heidenreich & Harbeck 12 H Bevel Gear Cutting Machine





LIEBHER HOBGING - GERMANY



WORM MILLING ZF- GERMANY





H&H HAMBURG Bevel Generator



H&H Bevel Gear Cutting Machine

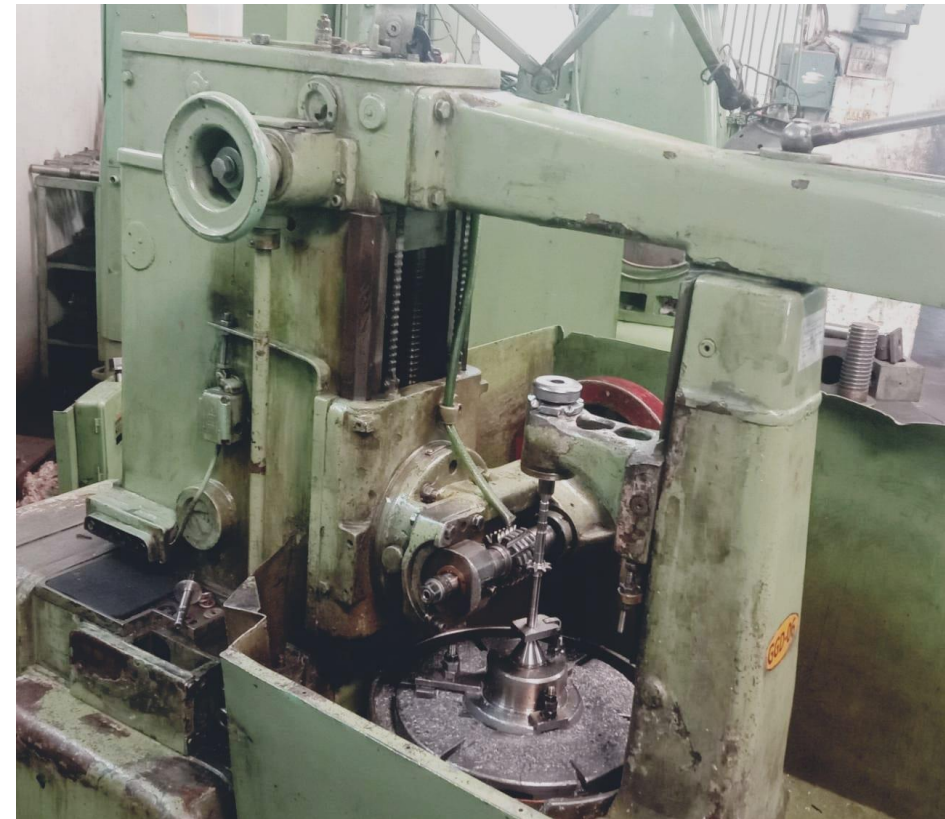




TOS Tool And Cutter Grinding Machine



WMW Gear Hobbing Machine





WMW Tool And Cutter Grinding Machine



ELB Surface Grinding Machine Germany





MAHO Vertical Machine Centre Machine



FAMUP Vertical Machine Center Machine





Matrix Worm Grinding Machine U.K



H&H HAMBURG 75KH5 - Bevel Generator





H&H HAMBURG Bevel Generator



Short Bed Lathe





External Thread Whirling Machine



KLOPP Milling Machine Germany





Fritze Werner Milling Machine Germany

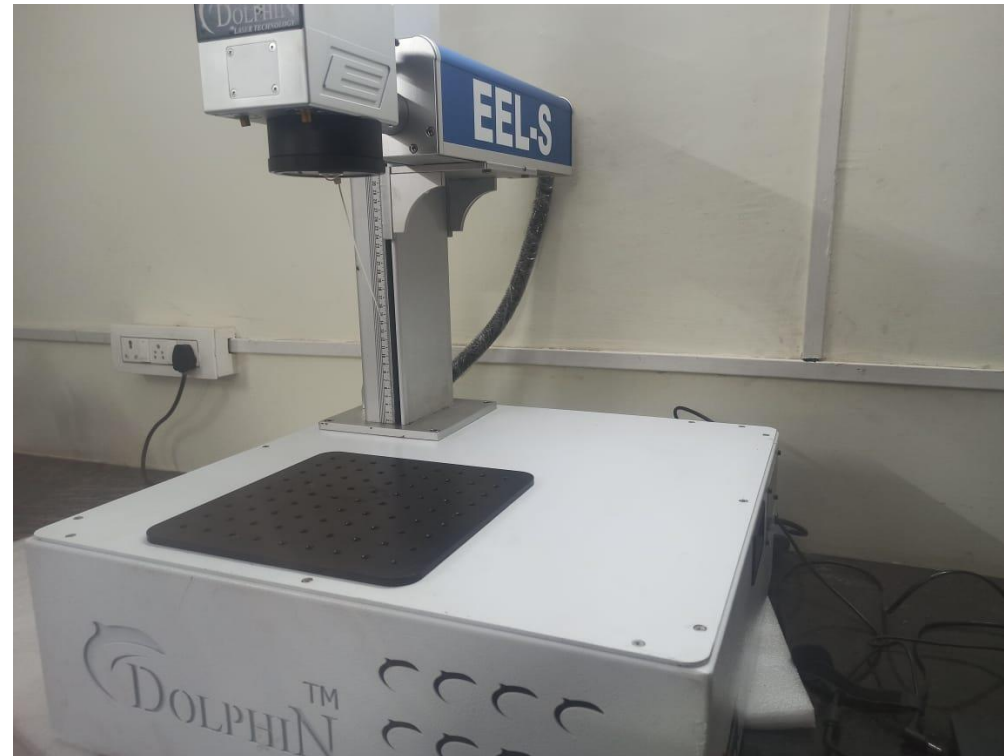


Enterprise Turning Machine





Laser Printing Machine





Stores



Inspection Facilities Available





Inspection Facilities – Coordinate measuring machine





Mextech CM-8821 Coating Thickness Meter





Inspection Facilities – Mitutoyo 2D Height Gauge





Inspection Facilities – Bevel Gear tester





Inspection Facilities – Hardness tester





Inspection Facilities Tachometer, Decibel meter, Lever Dial and Plunger Dial





Inspection Facilities – Vernier Calliper, Micrometre Calliper and Boar Gauge





Loading of Materials





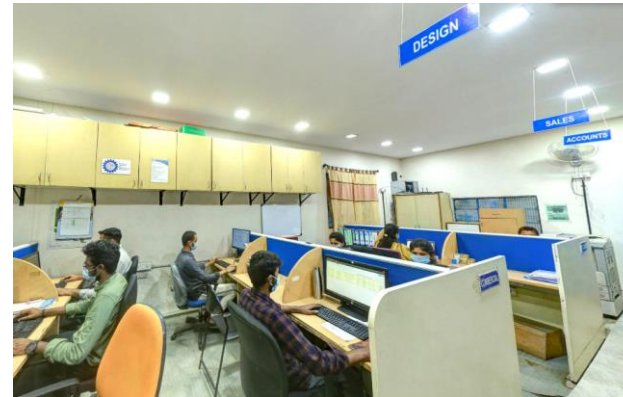
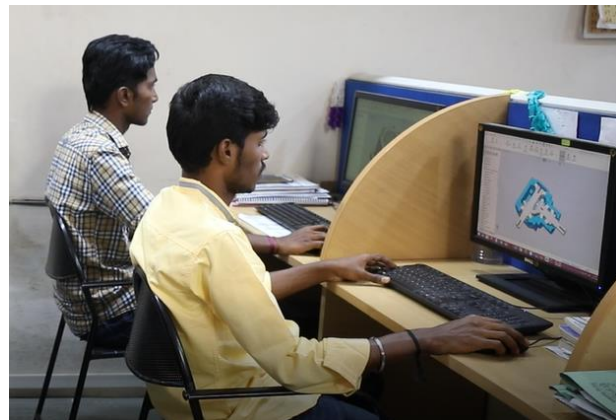
Women's empowerment





CRM and Design Facilities

- ✓ Solid works
- ✓ Auto-cad
- ✓ ERP
- ✓ Quality Inspection Procedures
- ✓ Tally





Media

Our Articles Various Publications

LIFTING TECHNOLOGY & POSITIONING SOLUTIONS

Knowing Lifting Systems Up Close

Gears and Gear Drives (India)'s HiTork Lifting Systems offer comprehensive lifting and positioning design solutions to a wide variety of industries.

Gears and Gear Drives (India) Pvt Ltd is a global engineering company that for over thirty years is innovatively engaged in providing total engineering solutions - from design to manufacturing - in the areas of Power Transmission, Mechatronics, Motion

Control and Automation. The company is a market leader in India, manufacturing Screw Jacks, Universal Joints, Solar Actuators, Bevel Gear Boxes and many more.

Choosing HiTork Lifting Systems

The company's Screw Jack Systems offer comprehensive lifting and positioning design solutions to a wide variety of industries. User- and eco-friendly, these jacks incorporate all the latest safety technology to help keep your site safe. The systems are also CE certified. The Testing and Inspection Team checks thorough various examinations, focusing on safety components.

How Lifting System works

Multi lifting equipment are generally driven by a single motor. This makes the system to lift equally. When driven

by two or more motors, sophisticated electrical synchronization and control is required.

Lifting System components

The company's lifting systems with components such as motors, gear reducers, shafting, couplings, and motion control devices create complete multi-jack systems.

Mechanical and control electronic parts consist of Jack Actuators, Planetary drives, Bevel Gear Drives, Inline Drives, Couplings, Connecting shafts, Counters, Encoders, Potentiometer, and Hall Sensors. The company supplies to various industries such as railway maintenance, heavy vehicle and off road vehicle maintenance.

"IoT is evolving in a big way and industries are marching towards the level of Industry 4.0. Hence, HiTork Group of companies are constantly updating the designs and customizing the products to suit this changing environment," he adds.

Constantly evolving

Seshagiri Ramachandra, CEO, Gears

and Gear Drives (India), who has 34 years of experience in Motion Drive and Power Transmission Technology, says, "Gear Technology products have been continuously evolving towards smooth running, higher speed, higher strength with compactness ability to run in hotter temperature over the last 5 decades. CNC machine software for 3D modelling and CAM have helped to achieve repetitive component dimensions and tolerances, GD and T, coupled with improved rubber seals, tribology products, and efficient fasteners."

"IoT is evolving in a big way and industries are marching towards the level of Industry 4.0. Hence, HiTork Group of companies are constantly updating the designs and customizing the products to suit this changing environment," he adds.



Source: Gears and Gear Drives (India) Pvt Ltd

"Gear Technology products have been continuously evolving towards smooth running, higher speed, higher strength with compactness ability to run in hotter temperature over the last 5 decades."

Seshagiri Ramachandra,
CEO, Gears and Gear Drives
(India) Pvt Ltd

Features

- Manufactured to ISO 9001:2015 standards in India
- Safe and simple maintenance
- 15 different sizes of jacks lifts from 0.25 to 350 tonne
- Lifting capacities 5kN to 1500kN
- Drive motor speed up to 1500 rpm
- Translating worm gear screw jacks with self-locking screw
- Worm gear in two ratios: nominal and slow

- Top and bottom guide bushes for lifting screw
- Worm wheel hobbled for optimum blue contact
- Filled with NLGI EP 1 or 2 grade grease
- Multiple capacities of jacks and bevel gearbox
- Precision machine and ball screws
- Standing and rotating versions
- Multiple safety and protection options
- Motion control options
- Complete system designs.

Gears and Gear Drives (India) Pvt Ltd
www.ggdipl.com
Hall & Stall: H2 / I-02



Source: Gears and Gear Drives (India) Pvt Ltd



Source: Gears and Gear Drives (India) Pvt Ltd

"We have been consistently growing by resorting to the latest in techniques for real-world product solutions in Gear Technology. We provide high-level customization to offer you products that are strong and reliable. Our competitive pricing and best quality performance help us enjoy a unique place in the industry."

Karthik Seshagiri,
Chief Executive
Director, Gears and
Gear Drives (India)
Pvt Ltd

GEARBOXES

HiTork Compact Bevel Gearbox

The compact Bevel Gearboxes by Gears and Gear Drives (India) promise lifetime lubrication, noiseless operation, high efficiency, and long service life.

- Global engineering company, Gears and Gear Drives (India) Pvt Ltd is innovatively engaged in providing - total engineering solutions - from design to manufacturing - in the areas of power transmission, mechatronics, motion control and automation. The company is a market leader in India, manufacturing screw jacks, universal joints, solar actuators, bevel gearboxes and many more. Gears and Gear Drives (India) offers high-quality, custom-built gearboxes for a myriad industries. The Compact Bevel Gearboxes by the company promise lifetime lubrication, noiseless operation, high efficiency, and long service life. They are available in aluminum and stainless steel, and are manufactured using food grade gear oil that protects gears in extreme high and low temperatures in a variety of critical applications in food and beverage manufacturing facilities.
- Gear ratios i:1, 1.5:1 and 2:1 into Gleason Standard Straight Bevels
 - 8 different sizes for maximum output torque ranging from 17 Nm to 3500 Nm
 - Fully machined with tapped holes for universal mounting, thus 6 possible mounting positions
 - 1 input with 1, 2, or 3 outputs and hollow outputs
 - Motor flange for direct mounting of motors (up to 750W)
 - Either direction of rotation
 - Mounting base for fastening outside the cubical form
 - 95-96% efficiency depending upon lubrication
 - Oil or grease filling
 - "O" rings / oil seals at all joints
 - Tapered roller bearings for high radial and axial load capacity and long life
 - Spiral bevel gearbox (Gleason System) i:1 to 5:1 gear ratios
 - Speed increasing gear drives.

Features of Compact Bevel Gearboxes

- Cubical form housing for symmetry
- 12 models



Applications

The gearboxes find applications in industries such as cement, material handling, steel, sugar and rubber and cranes, conveyor drives, ceramic industry, cooling towers, material handling, agriculture machinery, food processing, rubber processing, solar panels, elevators, EHV tube welding, extruders, blending equipment, waste water treatment, wood working



Thank you

Gears and Gear Drives (India) Pvt Ltd

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