



QUARTER TURN WORM GEAR BOX  
**Gears That Drive  
Performance**



VISIT OUR WEBSITE  
[www.megastructindia.com](http://www.megastructindia.com)



# ABOUT US

## Welcome to Our Company



Megastruct Developments is a trusted manufacturer and supplier of high-quality Gears, Gearboxes, and Gear Assemblies, delivering reliable power-transmission solutions for diverse industrial applications. With a focus on precision engineering, robust design, and consistent performance, we support industries that demand strength, accuracy, and long service life.

Backed by modern manufacturing facilities and a skilled technical team, Megastruct Developments ensures every product meets strict quality standards and customer-specific requirements. Our commitment to innovation, quality control, and timely delivery has helped us build long-term relationships with clients across multiple sectors.

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## Liquid Flow Control by Butterfly Valve



Valve is closed

Valve is open

# Mision Statement

To manufacture high-precision gears, gearboxes, and gear assemblies that meet international quality standards through advanced technology, strict quality control, and continuous process improvement. We focus on delivering customized solutions, ensuring reliable performance, timely delivery, and strong customer partnerships, while nurturing a skilled and innovative workforce.



# Vision Statement

To become a globally respected leader in gear manufacturing by setting benchmarks in precision engineering, product reliability, and technological advancement. We aspire to support industries worldwide with efficient, durable, and customized power transmission solutions while maintaining the highest standards of ethics and sustainability.

# Our Approach

At Megastruct Developments, our approach is driven by precision, innovation, and customer collaboration. We begin by understanding application requirements in detail, followed by engineering-led design and careful material selection. Advanced manufacturing processes and modern machinery ensure high accuracy and consistency, while rigorous quality checks at every stage guarantee performance and durability.

***Customer-centric approach***

***Engineering-driven design***

***Strict quality control***

***Precision & durability***



# Infrastructure

Strength That Supports Progress

Megastruct Developments operates a modern manufacturing facility equipped with advanced machinery and inspection systems to support precision gear manufacturing. Our infrastructure is designed to ensure efficient workflow, consistent quality, and the flexibility to handle customized and high-torque industrial gear solutions.

## Key Infrastructure Highlights

- CNC and VMC machining centers for precision components
- Gear Hobbing and Gear Finishing Machines
- SPM Milling Machines and SPM Boring Machines
- Lathe machines and MIG welding machines
- In-house quality control and metrology equipment
- Complete range of gauges available: Vernier calipers, Inner and outer micrometers, Height gauges
- Calibration systems as per ISO requirements
- Organized material handling and storage systems
- Skilled technical and engineering workforce
- Dedicated assembly and testing areas



# Quality Commitment

Megastruct Developments is committed to manufacturing high-precision gears, gearboxes, and gear assemblies that consistently meet customer requirements and applicable international standards. This commitment is achieved through an effective Quality Management System, strict process control at every stage of production, compliance with all statutory and regulatory requirements, and a culture of continual improvement aimed at enhancing customer satisfaction.

## Assurance Process

- Material inspection & traceability
- Final inspection
- Corrective & preventive actions
- In-process quality control
- Dimensional & functional checks
- Equipment calibration

## Inspection Equipment

- Micrometer
- Vernier Caliper
- Inner & Outer Gauges
- Height Gauge
- Torque Wrench
- Fork Inspection Gauge
- Tooth Profile Checking Machine

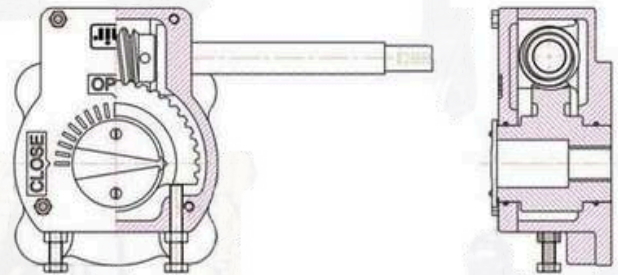
*Precision Manufacturing. Proven Quality.*

## Certificates & Recognitions

Megastruct Developments is an ISO 9001, ISO 14001, and ISO 45001 certified company, reflecting our commitment to quality, environmental responsibility, and workplace safety.



# QUARTER TURN WORM GEAR BOX



## SPECIFICATION

S.NO	NAME	MODEL	PCD	THREAD	NO. OF HOLES	SQUARE	RATED OUTPUT TORQUE	APPROX UNIT WEIGHT (KG)	RECOMMENDED HAND WHEEL (MM)
1	MSD/9001	DN40-DN100	50	M6	4	11X11	300	3.00 KG	200 MM
2	MSD/9011	DN125-DN150	70	M8	4	14X14	300	3.00 KG	200 MM
3	MSD/9002	DN125-DN150	70	M8	4	17X17	500	5.20 KG	270 MM
4	MSD/9012	DN200	70	M8	4	17X17	500	5.20 KG	270 MM
5	MSD/9003	DN250-DN300	102	M10	4	22X22	700	6.40 KG	310 MM
6	MSD/9013	DN250-DN300	102	M16	4	22X22	700	6.40 KG	310 MM
7	MSD/9004	DN350	140	M16	4	22.5X22.5	1000	13.90 KG	350 MM
8	MSD/9014	DN400	140	M16	4	27X27	1000	13.90 KG	350 MM
9	MSD/9024	DN450	165	M20	4	27.2X27.2	1000	13.90 KG	350 MM
10	MSD/9005	DN500-DN600	165	M20	4	37X37	1500	21.40 KG	520 MM

**GEARBOX/COVER** CAST IRON GRADE - 25

**QUARTER GEAR.** CAST IRON SGI-500/7

**WORM.** MILD STEEL (MS)

**SHAFT (STEM)** SS410 GRADE

**NUT BOLTS** MILD STEEL WITH ZINC PLATE / SS304



# Specialised Industrial Applications

- ▶ Chemical Processing
- ▶ Irrigation & Agriculture
- ▶ Mining Operations
- ▶ Fire Protection Systems
- ▶ Water Treatment Plants
- ▶ Oil & Gas Sector
- ▶ Textile Industry
- ▶ Nuclear & Power Industry



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**Let's Talk** Business!

**MEGASTRUCT DEVELOPMENTS**

(An ISO 9001, 14001, 45001 Certified Co.)



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