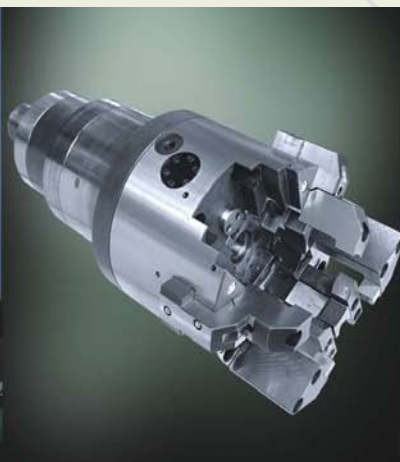
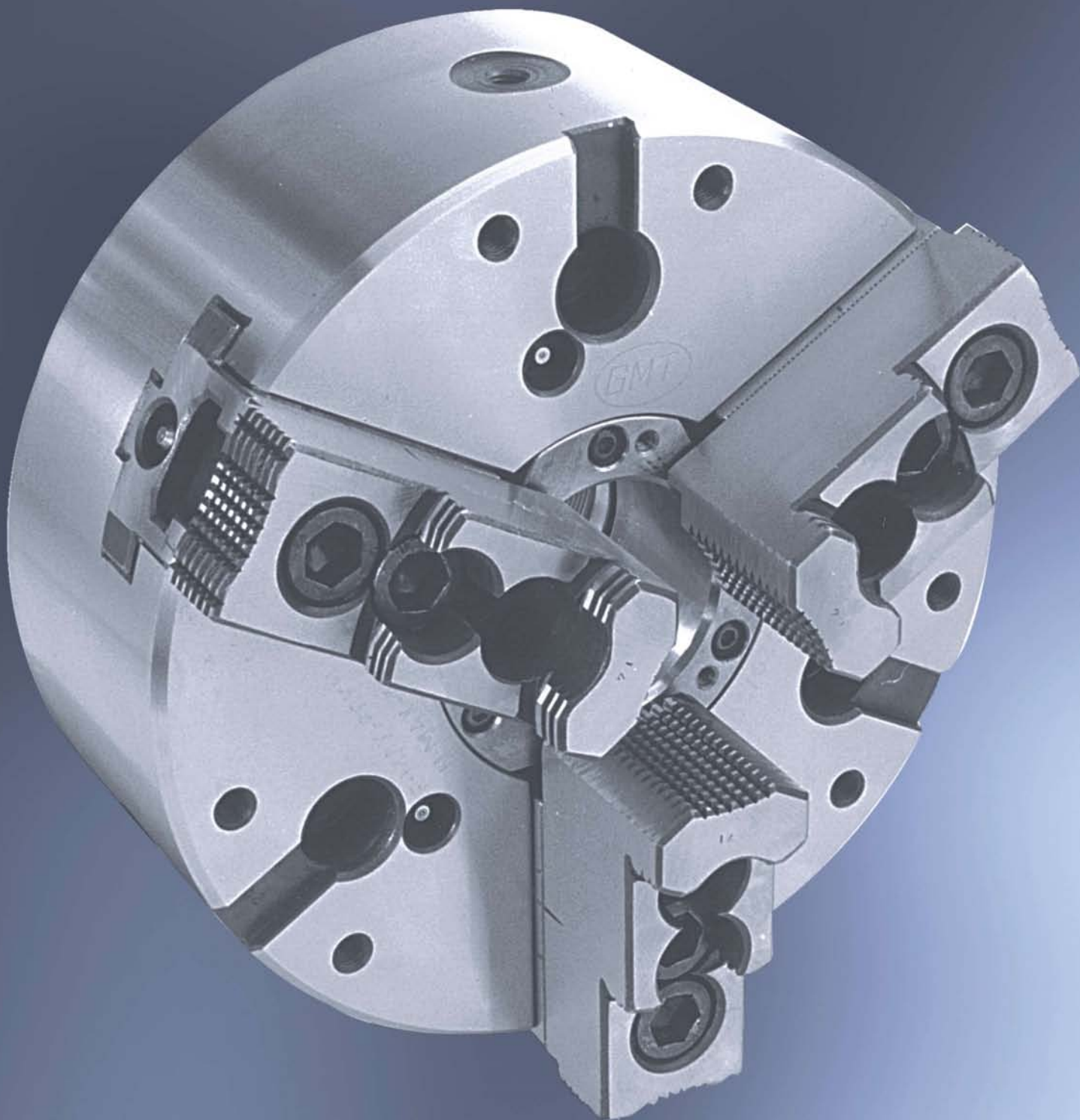




in pursuit of excellence...



Power Operated High Speed Chuck

IN PURSUIT OF EXCELLENCE

Excellence in Design

As evident in the CMM, designed & built in-house, that matches international standards on all parameters.

Excellence in Manufacturing Processes

As seen in the manufacture of GFM chucks used for crankshaft machining.

Excellence in taking on things BIG

As demonstrated in the manufacture of mega sized chucks measuring upto 1300 mm Ø.

Excellence in Casting

A foundry that ensures excellence from the start up, manufacturing Grey Iron and S.G.Iron castings.

Excellence Customised

Special application work holding devises designed and tailored to fit specific requirements.

Excellence Certified

Excellence that strives for upgradation of quality continuously resulting in the procurement of ISO 9001: 2008 and ISO 14001:2004.



P.Venkat Raman (1926-1995)
Founder, Guindy Machine Tools Ltd.

"Excellence.....
in anything we do"



Inspection equipment to check engine blocks

AT A GLANCE

P.Venkat Raman, a pioneering entrepreneur founded GMT in 1959 for manufacture of engineering products of high quality. He established GMT in the machine tool industry with a unique approach. He provided solutions to various import substitution problems. His collaborative work with top level professors at IIT, Madras, generated in methods of surface plate calibration. This tradition continues to this day with the company's on-going interactions with Universities in India, England, France and Germany.

Fifty years down the road GMT continues to maintain its focus on quality engineering excellence with good values and clear business ethos. The company has earned the trust of its customers and a premier place in the market.

GMT enjoys an enviable reputation for the many milestone achievements in product development.



First Cast Iron Surface Plate manufactured in GMT which set the standards for the product with the Indian Standards Institute.

This was also the first such product made in India.



350mm Hollow Hydraulic Rotating Cylinder for Hot Spinning Machines



OUR USP

GMT is the one of the leading manufacturers of workholding devices and metrology equipment in India. Emphasis on quality, import substitution, providing cost effective solutions, experience and prompt customer care have been the benchmark of our USP.

GMT carries on its tradition of import substitution by manufacturing special one-off products. GMT's efforts in research and development have been the key in the manufacture of a special 350mm diameter cylinder.

We provide solutions for all workholding problems, be it non-cylindrical or a special component.

GMT's experience in the production of metrology equipment over three decades has resulted in the manufacture of world class CMM's.

GMT believes in building lasting relationships with its customers through its Customer Education Programmes and by constantly monitoring customer needs and providing solutions to their requirements.

USP

*A dedicated team of people
Out of the box solutions
World class metrology equipment
Unparalleled service*



Okuma Vertical Machining Centre

INFRASTRUCTURE & FACILITIES

GMT operates from its headquarters in Pallikaranai, Chennai. It has 2 other plants located in Chromepet, Chennai and Hosur near Bangalore.

Plant I in Pallikaranai, Chennai has over 60,000 sq.ft of well equipped manufacturing facility with a heat treatment shop and testing laboratory.

This plant primarily manufactures workholding devices and CMM's.

Machining facilities include:
Horizontal Machining Centre

- OKUMA

Vertical Machining Centres

- BFW
- AMS
- MAKINO
- HARTFORD

CNC Lathes

- RIGI 25 - LMW
- PILATUS 20T - LMW
- LL2BL5 - LMW

Plant II in Chromepet, Chennai manufactures work positioning devices, lapping machines and other machine tools and handles re-conditioning of all GMT make chucks.

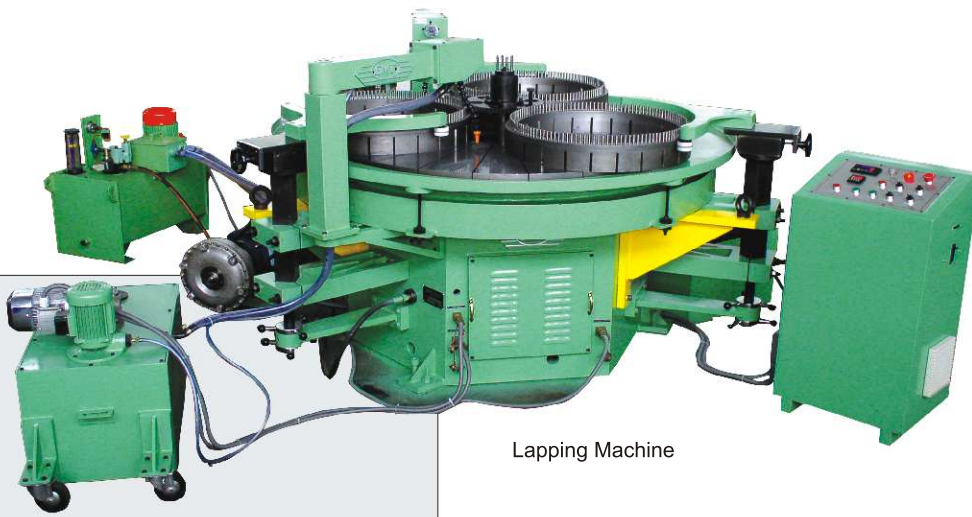
Plant III in Hosur, is the foundry division of GMT, manufacturing Grey Iron castings and S.G.Iron castings. It is equipped with Induction Furnace, Cupola Furnace, modern testing facilities and a machine shop.



Modern machining facilities

Heat treatment shop

*Sophisticated testing equipment : Spectrometer,
Co-ordinate Measuring Machines*



Lapping Machine



Granite Master Square

The Product Range

Workholding

- Hand Operated Chucks
- Power Operated Chucks
- High Speed Chucks for CNC machines
- Special Chucks
- Pneumatic Cylinders
- Hydraulic Cylinders for CNC machines
- Electromechanical Actuators

Work Positioning

- Hydraulic and Pneumatic Rotary Indexing Tables; positioning accuracy ± 3 arc seconds
- NC Rotary Tables

Machine Tools

- Belt Grinders
- Lapping Machine

Others

- Tool Turret

Metrology

- Co-ordinate Measuring Machine

Reference Equipment for Metrology

Cast Iron Products

- Surface Plate
- Angle Plate
- Box Angle Plate
- Straight Edge

Granite Products

- Surface Plate
- Straight Edge
- Master Square

Other Products

- Master Cylinder

Wide range of special products in granite available



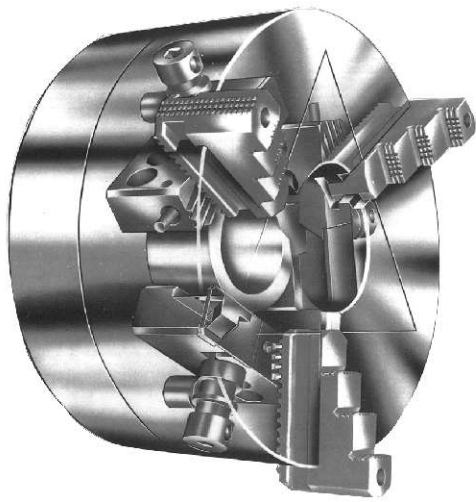
Hollow Rotary High Speed Hydraulic Cylinder



NC Rotary Table



Special Chuck for friction welding machine



Quick Change Jaw Chuck

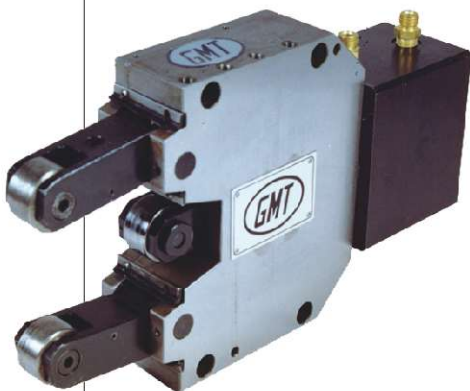
product range

gmt

workholding
work positioning
machine tools
metrology equipment
ferrous castings
agents for Berg, Germany



Power Operated Hand Indexing Chuck



Steady Rest



1300mm Ø Power Chuck for machining railway wheels



Precision machined part of a Universal Ball Lock Chuck

PRECISION MACHINING

For more than 50 years our company has specialized in the production of high precision workholding devices, work positioning, machine tools and metrology equipment.

Today, with a reputation for quality machining with close tolerances, we have entered the market as a supplier of precision engineering components and precision sub-assemblies.

As a mid-sized company with a highly motivated and quality orientated staff, we are flexible enough to meet all requirements of our customers.

Apart from having excellent machining facilities, our highly skilled engineers and machine operators are very experienced with many of them having been with the company for over 20 years. We currently employ around 450 people.



Our strength: Short processing time, quick response, reliability in quality and processing.



Collet Chuck

WORKHOLDING SPECIALS

Optimum production demands efficient workholding solutions. GMT offers custom-built chucks for special applications. GMT engineers are always available for pre-sale discussion on design and applications.

A few of our workholding specials:

- Power Operated Hand Indexing Chuck (POHI)
- Power Operated Universal Ball Lock Chuck (ULBC)
- Power Operated Grip Down Chuck
- Diaphragm Chuck
- Power Operated Twist Finger Chuck
- Special Power Operated Single Lever Type Chuck
- Special Chuck for Machining Shock Absorber Housing for Two Wheelers
- Special Power Operated Chuck for Pin Turning (Crank Shaft)
- Collet Chuck (DL Type)
- Special Application custom built Chucks



Efficient standard work holding solutions for CNC turning centers and lathes.

Pre-sale consultation on design and application



Coordinate Measuring Machine

METROLOGY

The company manufactures the complete range of granite and metrology equipment which includes Granite Surface Plates, Granite Straight Edges, Granite Master Squares, Granite Tri Squares, Master Cylinders and Co-ordinate Measuring Machines .

The GMT Co-ordinate Measuring Machine is the culmination of decades of experience in metrology and machine tools.

A wide variety of state-of-the-art accessories are provided with GMT bridge-type Co-ordinate Measuring Machines to suit all dimensional inspection tasks and needs. All GMT CMM's are designed and manufactured with proven technology.

GMT constantly researches new materials such as composites to incorporate into its machines to achieve the required dynamic performance.



*Granite of the highest quality
Precision lapped
High accuracy*



Metal being poured at our foundry located in Hosur

FOUNDRY DIVISION

GMT established a cast iron foundry in 1979 to meet its in-house casting requirements. GMT has acquired expertise over 25 years in the manufacture of grey iron castings to specifications of IS-210-1978 - FG-150, FG-200, FG-220, FG-260, FG-300 and FG-350 as required for various applications.

To meet the growing requirement of quality CI Castings, GMT has recently established a 30,000 sq.ft. foundry division in SIPCOT Complex-Hosur, Tamil Nadu. The outstanding facilities at the foundry consists of new induction furnaces with a well equipped modern test lab and a spectrometer . The adjoining machine shop is located in a 10,000 sq ft. facility.

GMT also produces, S.G.Iron Castings ranging from 3 kgs to 750 kgs. Grades normally poured conform to SG-IS 1865-1964 - SG-400/12, SG-450/10, SG-500/7 and SG600/3 specifications.



*Well equipped laboratory with spectrometer
Cupola furnace / Induction furnace
Stress relieving furnace
Machine shop*



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