

MOULD MAKING | MOULDING | ECN MODIFICATIONS | JOB WORK MACHINING
REVERSE ENGINEERING LABORATORY | PROTOTYPING

Profile

S.No 542/2 543/1 B2, SWAGATHAM NAGAR,
Near Dhamma Setu Meditation Centre,
Thirumudivakkam, Kanchipuram (Dist.)
Chennai, TN - 600044



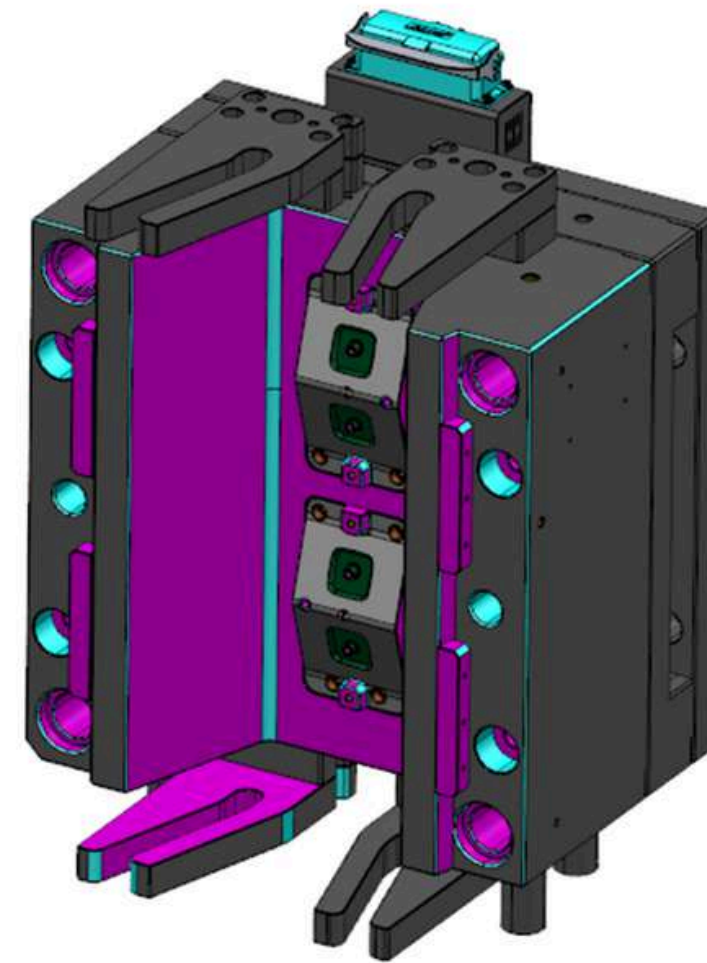
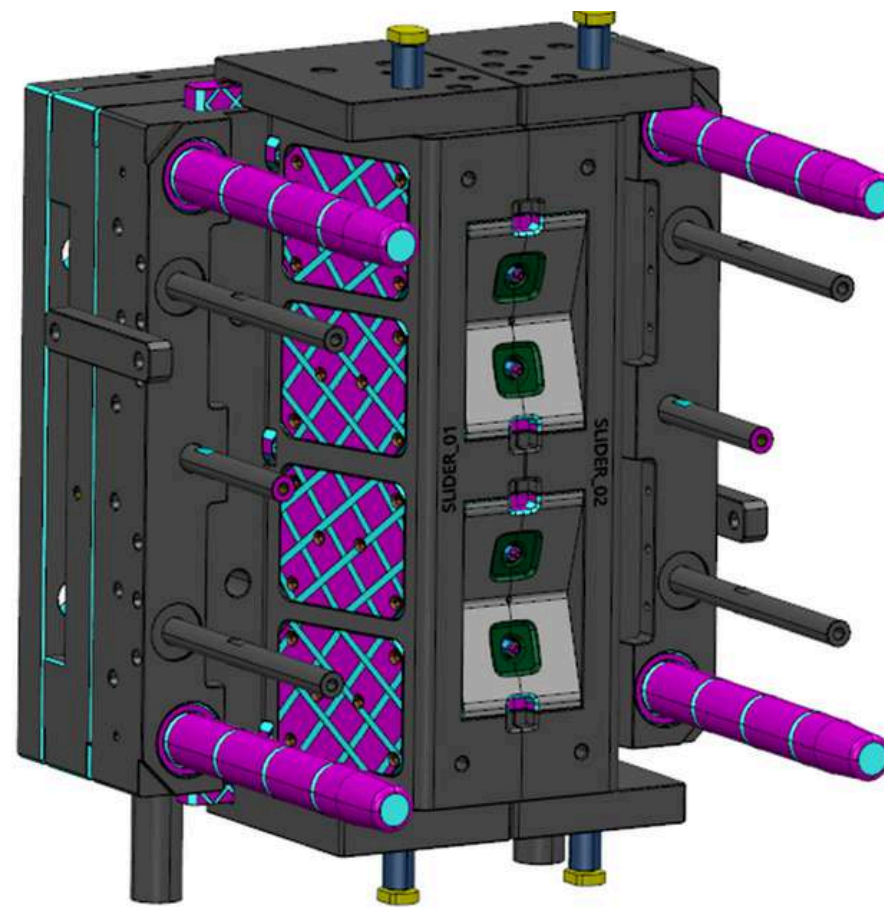
+91 7397401177



info@tantechmoulds.com

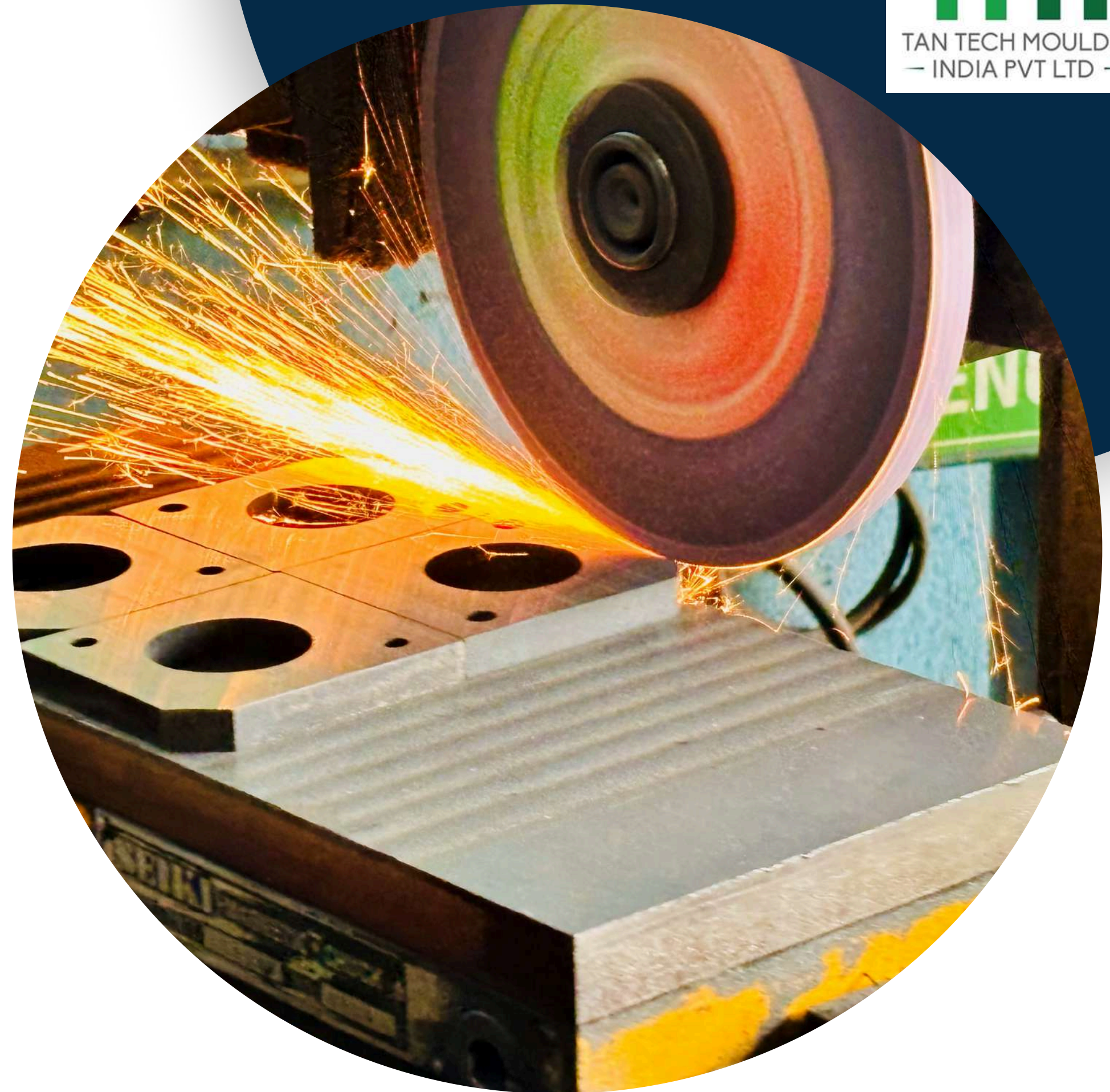


www.tantechmoulds.com



Agenda

- 01 About Us
- 02 Values & Vision
- 03 Why choose us?
- 04 Our Services
- 05 Machine details
- 06 Products & Mould pictures
- 07 Our Clients
- 08 Contact



About US

Tan Tech Moulds is an **ISO 9001:2015** Certified is one among the promising industry in Capable of Manufacturing Injection moulds (50 Ton to 550 Ton) & Blow mould

Industries catered - Automotive, Electrical, FMCG, Medical & Toys.

- Set up in 6000 Sq.feet the factory is located in Chennai which is one of the Largest Automotive & industrial Hubs in India
- Located in 10 Kms from Chennai Airport and 29 Kms from Chennai Seaport
- Consists of 15~20 skilled Manpower and still growing
- Capable of Manufacturing Injection moulds (50 Ton to 550 Ton) & Blow moulds

Our Values



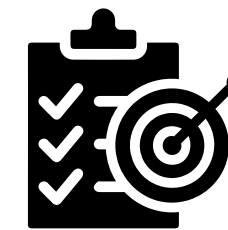
Customer Commitment

We are dedicated to exceeding customer expectations, building lasting relationships through personalized service and innovative solutions.



Quality

Our precision craftsmanship ensures the highest quality moulds, meeting the strictest standards in every project we undertake.



On Time

We understand the importance of deadlines and consistently deliver on time without compromising quality.



Teamwork

Collaboration is at the heart of our success, with every team member contributing to create outstanding results for our customers.

Directors' Expertise

- We have 25+ years of Experience & Expertise in Tool making
- Expertise in High precision Tool making
- Experienced across different Industries - Automotive, FMCG, Appliances & Toys
- Countries served - South East Asian countries

Vision

To Become expert in Tooling & bringing better Quality products with continuous Innovation and Improvements

Quality Objective

We at TAN TECH MOULDS, consistently work to exceed customer expectations by delivering superior products on time, understanding their unique needs, and continuously improving through dedicated training and a strong quality management framework.



Why Choose us?

01

Quality Machining Experts

02

Well Defined & Structured approach for Manufacturing Tools

03

Best Experience & Expertise of both Management & Supervisors in Tooling

04

Quick response

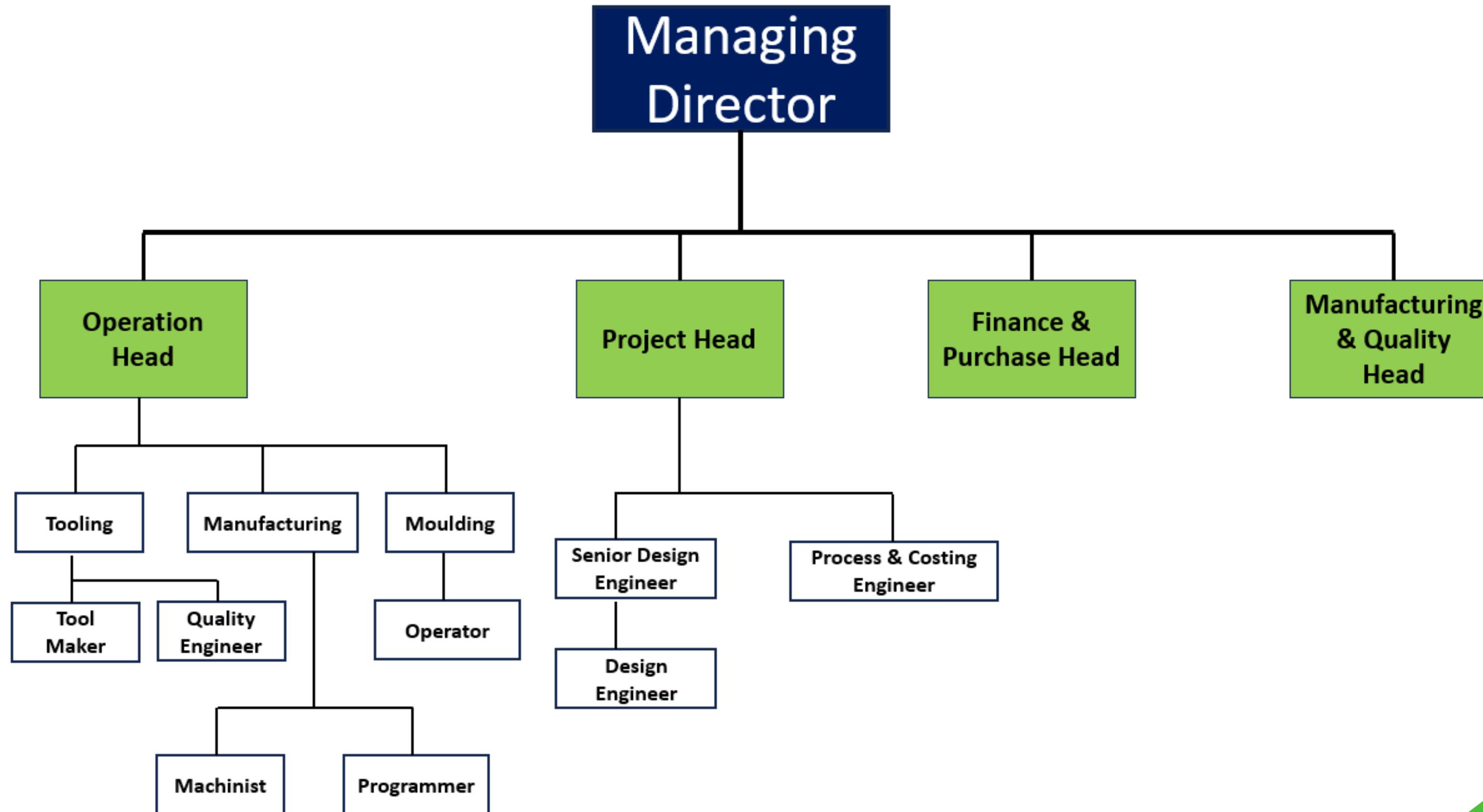
05

Best Quality Products

06

Transparent approach

Organization Chart



Our Services

- MOULD MAKING (Plastic Injection, Blow & Rubber)
- MOULDING
- ECN MODIFICATIONS
- JOB WORK MACHINING

Additional Services

- REVERSE ENGINEERING LABORATORY
- ADDITIVE MANUFACTURING LABORATORY
- PROTOTYPING (BATCH PRODUCTION)





TAN TECH MOULDS
— INDIA PVT LTD —

MACHINE DETAILS





Johnford VMC



COSMOS VMC CVM 800



COSMOS VMC CVM 1160



Mold Master - CNC EDM



MAX SEE - CNC EDM



TOPWELL MILLING



MITSUI - Surface Grinding



Okamoto-Surface Grinding



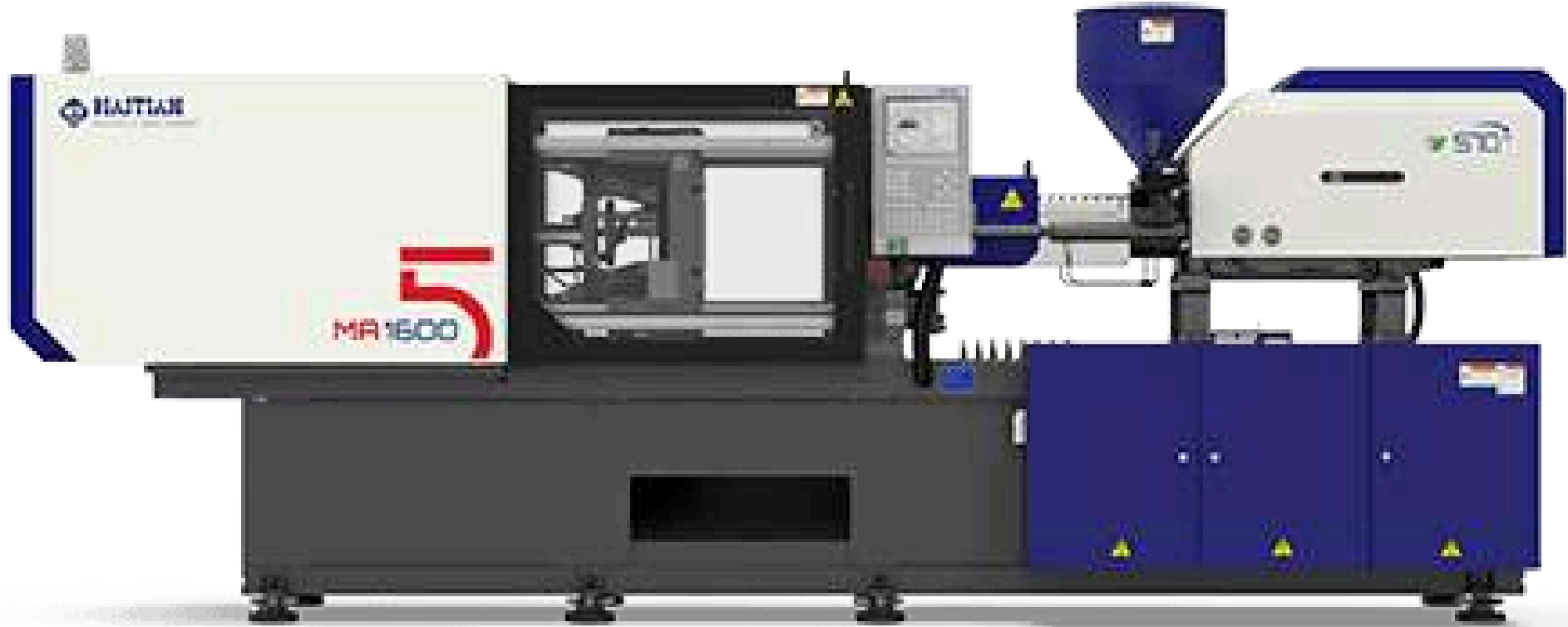
4.5 Feet Lathe Machine

Machine Type	Brand	Qty	X - axis	Y - axis	Z - axis
VMC	JOHNFORD (Taiwan)	1	1050	610	610
VMC	Cosmos CVM 800	1	800	500	500
VMC	Cosmos CVM 1160	1	1110	650	650
CNC EDM	MoldMaster(Taiwan)	1	400	300	350
CNC EDM	MAXSEE(Taiwan)	1	350	250	300
ZNC EDM	SPARKONICS –Arriving2025	1	800	600	500
Milling Machine	TOPWELL(Taiwan)	1	800	500	500
Surface Grinding	MITSUI(Japan)	1	350	250	300
Surface Grinding	Okamoto(Japan)	1	350	250	300
INJECTIONMOULDING MC	HAITIAN	1	120T		
INJECTIONMOULDING MC	HAITIAN	1	250T		

Software

UNIGRAPHIC	NX24012	1	Licensed Software
AUTODESK	PowerShape	1	Licensed Software

Other/ Supporting Machines			
Conventional Lathe	Turner	1	4 ½"
Inspection Equipment	Mitutoyo / Insize / Baker		
Pin Gauge	Dia0.5mmto 13mm		1Set
DigitalHeight Gauge	Mitutoyo	1	0~600mm
Silent Compressor	Chicago	1	7 HB
Servo Arm Tapping Machine	M3 to M20 Arriving MAY2025		1
Crane		1	5 Ton



Moulding Machine 1

Sl No.	Description	Size
1	MACHINE MAKE	HAITIAN
2	MACHINE TONNAGE	250T
3	PLATEN SIZE	870×870 MM
4	DIE BAR DISTANCE	570×570 MM
5	MIN SHUT HEIGHT	220 MM
6	MAX SHUT HEIGHT	570 MM
7	MAX MOULD OPENING	1100 MM
8	MAX EJECTION STOCK	150 MM
9	BARREL CAPACITY	332 Gram / PS
10	SCREW DIA	Ø45
11	MACHINE LOCATING RING SIZE	Ø100
12	OIL MTC CAPACITY	140LPM
13	HOPPER DRYER CAPACITY	75 KGS



Moulding Machine 2

SI No.	Description	Size
1	MACHINE MAKE	HAITIAN
2	MACHINE TONNAGE	120T
3	PLATEN SIZE	610×610 MM
4	DIE BAR DISTANCE	410×410 MM
5	MIN SHUT HEIGHT	160 MM
6	MAX SHUT HEIGHT	450 MM
7	MAX MOULD OPENING	800 MM
8	MAX EJECTION STOCK	120 MM
9	BARREL CAPACITY	160 Gram / PS
10	SCREW DIA	Ø40
11	MACHINE LOCATING RING SIZE	Ø100
12	OIL MTC CAPACITY	80 LPM
13	HOPPER DRYER CAPACITY	50 KGS

CONTINGENCY PLAN FOR INJECTION MACHINE

Sl. No.	Brand	Country of Origin	Clamping Force (T)	Screw Dia (mm)	Shot Capacity (Gram Ps)	Tie Bar Distance (mm)	Type	Min-Max Mold Height (mm)	Open Stroke (mm)	Platen size	Pump Capacity (kW)	Type of screw
1	NISSEI	JAPAN	100	32	50	380 X 380	RAM	200-400	470	550 X 550	15	Bimetallic
2	HAITIAN	CHINA	200	45	300	510 X 510	TOGGLE	200-510	470	760 X 760	20	Bimetallic
3	NISSEI	JAPAN	400	71	700	710 X 710	RAM	370-770	970	1020 X 1020	37	Bimetallic
4	YIZUMI	CHINA	200	43	274	510 X 510	TOGGLE	180-520	800	760 X 760	17.6	Bimetallic
5	ENGEL	AUSTRIA	180	45	270	460 X 460	TOGGLE	200-580	600	700 X 700	30	Bimetallic
6	HAITIAN	CHINA	120	40	194	410 X 410	TOGGLE	150-430	350	605 X 605	15	Bimetallic
7	HAITIAN	CHINA	120	40	180	410 X 410	TOGGLE	150-430	350	605 X 605	15	Bimetallic

Associated Machines

Mitsubishi / Sodick Wirecut

Makino EDM / Charmilles EDM

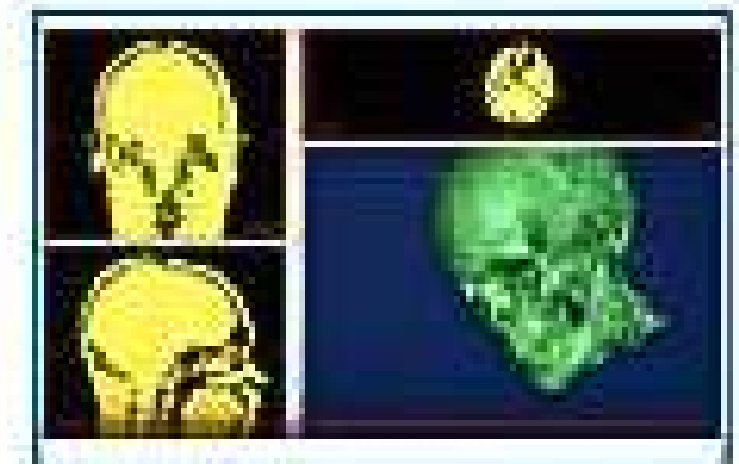
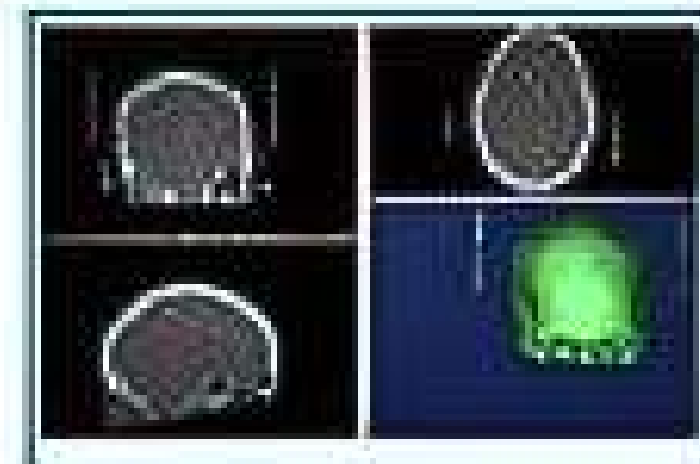
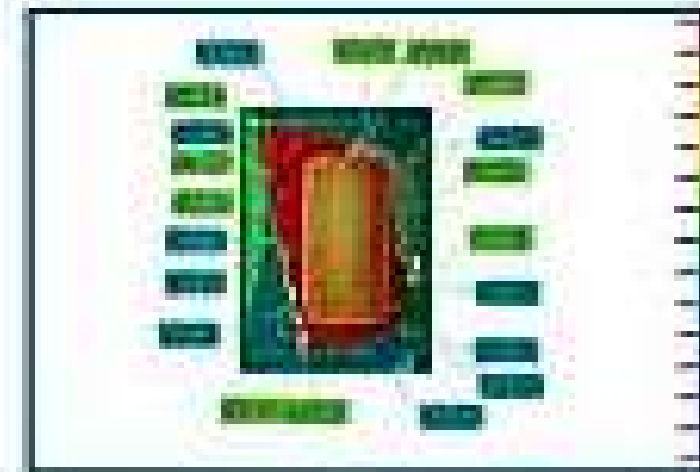
400~650 Ton Trial Machines (New Tech / Madhumitta)

Associated machines Within 2 Kms circle

REVERSE ENGINEERING LABORATORY

Reverse Engineering Capabilities

- 3D white light Scanning.
- 3D Scan to CAD Conversion
- 3D Model from CT Image.
- Surface analysis.
- Manufacturability Analysis.
- Parametric CAD Modeling.
- Quality control & 3D inspection.



ADDITIVE MANUFACTURING LABORATORY

Additive Manufacturing Capabilities

- Sketch models.
- Mock-ups
- Form study models.
- User experience models.
- Visual models.
- Functional prototypes.
- Mould for batch production.
- Jigs & Fixtures.



Additive Manufacturing Facilities

Software-Design, Analysis & Simulation for Additive Manufacturing

PROTOTYPING (BATCH PRODUCTION)

Vacuum Casting

Manufacturing of components which mimic injection molded parts such as ABS, PC, PP, PMMA, PA and different grades of rubber using silicon mold.

- Parts with PU material (Rigid, Transparent and Rubber)
- Parts with Nylon material
- Wax models for investment casting



Make/Model	M/s SLM Solutions, Germany / 5/01
Mold Volume	530 × 450 × 425 mm ³
Materials	PU Based - Opaque (PP, ABS), Transparent (PC, ABS), Flexible (Hardness Shore A 20-90) Wax patterns

Vacuum Casting Machines



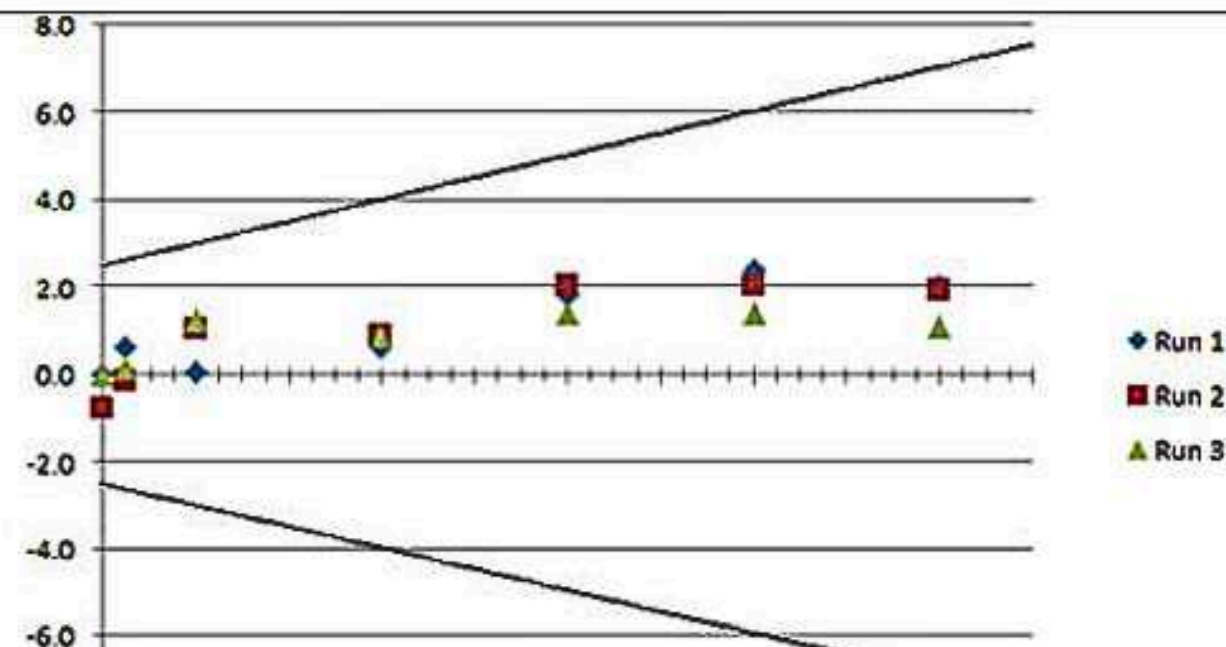
Make/Model	M/s Renishaw Germany / 5/04
Max. Mold Volume	750 × 900 × 750 mm ³
Materials	PU Based - Opaque (PP, ABS), Transparent (PC, ABS), Flexible (Hardness Shore A 20-90), Nylon, Wax patterns

Associated CMM within 1KM for Inspection for Parts, Mould Inserts & Blocks

[HOME](#)[USED CMM](#)[CMM SERVICES](#)[MODULAR FIXTURES](#)[ABOUT US](#)[CONTACT](#)

CMM Calibration in India

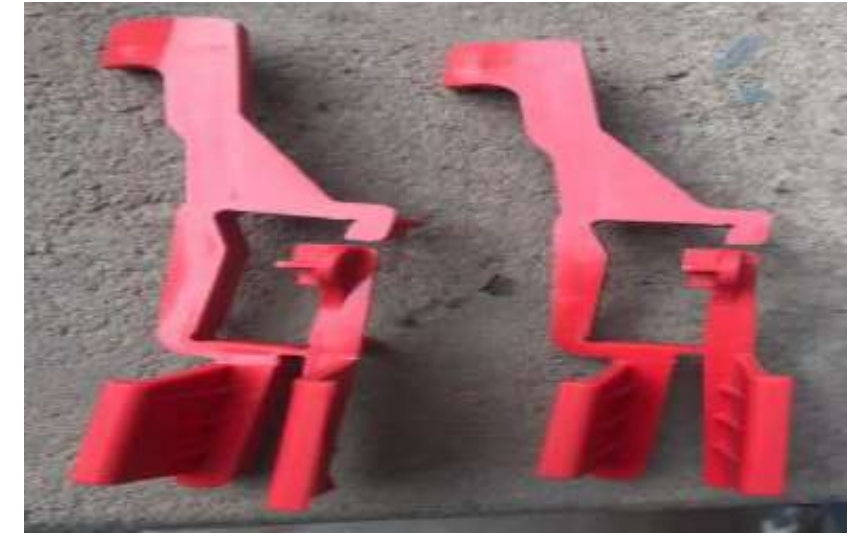
Coordinate Measuring Machine Calibration Service



QUICK LINKS

- » [CMM Retrofits](#)
- » [CMM Software Upgrade](#)
- » [Used CMM for Sale](#)
- » [Contract / Parts Inspection](#)
- » [CMM Training](#)
- » [CMM for Engg Colleges](#)
- » [CMM Modular Fixtures](#)

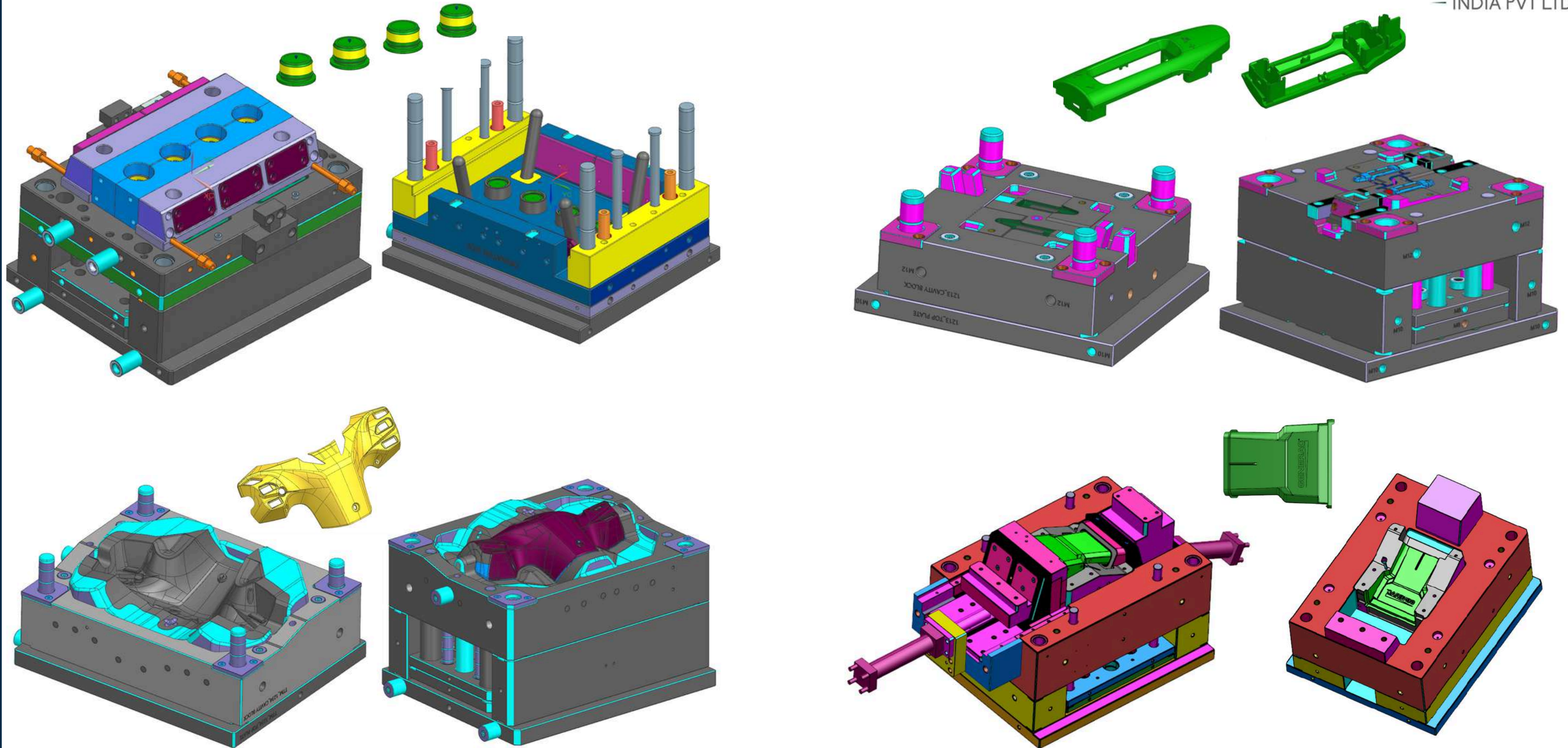
TTM DEVELOPED PRODUCTS



TTM DEVELOPED PRODUCTS



MOULD 3D PICTURES



Our Clients





Thank You!

Contact Us



Karnan K
Director- BD

 **Phone**
+91 7397401177

 **Mail**
info@tantechmoulds.com

 **Website**
www.tantechmoulds.com

 **Address**
S.No 542/2 543/1 B2, SWAGATHAM NAGAR,
Near Dhamma Setu Meditation Centre,
Thirumudivakkam, Kanchiopuram (Dist.)
Chennai, TN - 600044



ISO 9001:2015