

**M.S. CHHABRA & CO.**

FROM DESIGN TO PRODUCT



WELCOME

M. S. CHHABRA & CO. IS A CUSTOMER CENTRIC COMPANY. WITH HIGH LEVEL OF INNOVATION, MSC PROVIDES BEST IN CLASS INTEGRATED TOOLING AND CUTTING SOLUTIONS FOR ALL KINDS OF METAL MACHINING REQUIREMENT. OUR GOAL IS TO PROACTIVELY DELIVER A WIDE RANGE OF SOLUTIONS IN MOST DEMANDING APPLICATIONS IN THE PLASTIC INDUSTRY. MSC FEELS PROUD TO BE PART OF THE GROWTH AND SUCCESS OF ITS CUSTOMERS, EMPLOYEES AND THE SOCIETIES WHERE IT OPERATES.

## ABOUT US

- M.S. CHHABRA & CO. WAS FOUNDED IN 1990 TO PROVIDE WORLD-CLASS SOLUTIONS FOR DESIGNING, MOLD MAKING AND PLASTIC INJECTION MOLDING JOBS.
- AN *ISO/TS 16949:2009* CERTIFIED COMPANY.
- WE OFFER A ONE STOP SOLUTION IN PLASTICS INJECTION MOLDED PARTS AND MOLDS.
- MSC ALSO RECEIVED MACE (MARUTI CENTRE FOR EXCELLENCE) CERTIFICATION AS ONE OF THE LEADING “GREEN SUPPLIERS”.
- A HIGHLY MOTIVATED MANPOWER BASE COMPRISING OF PROFESSIONALS WITH VAST EXPERIENCE.



## OUR MISSION

- TO PROVIDE TO OUR CUSTOMER WITH A ONE STOP SOLUTION TO BRING TO LIFE THEIR DESIGNS AND PRODUCTS.



## OUR VISION

- WE AIM TO CONSISTENTLY EXPAND AND MODERNIZE OUR TOOL ROOM SO THAT IT CAN COMPETE WITH ANY GLOBAL SUPPLIER.
- OUR MOLDING WORKSHOP IS CONSTANTLY UPGRADED WITH MOLDING MACHINES PROCURED FROM COUNTRIES ALL OVER THE WORLD LIKE JAPAN AND TAIWAN.



## OUR VALUES

- CUSTOMER IS SUPREME.
- LIVE QUALITY.
- ENCOURAGE CREATIVITY AND INNOVATION TO DRIVE PEOPLE PROCESS & PRODUCTS.
- RESPECT FOR INDIVIDUAL.
- RESPECT FOR WORK-PLACE ETHICS.



## OUR STRENGTHS

- ON TIME DELIVERY TO CUSTOMER.
- WE SERVE A CAPACITY FROM 80T TO 1300T FOR INJECTION MOULDING.
- OUR LARGE CAPACITY INJECTION MOULDING MACHINES ARE FULLY AUTOMATED AND EQUIPPED WITH ROBOTIC CONTROLS.

# BUSINESS PHILOSOPHY



# QCDSMES

## Quality

Seamlessly fit global quality standards of the customer.

## Cost

Work at leading cost levels.

## Design

Provide design support for current products and new concepts.

## Delivery

Deliver globally and be able to follow the customers where they need us.

## Management

Lead the organisation with the highest governance standards.

## Safety

Work to the highest standards of safety.

## Environment

Meet the highest environmental standards.

## Sustainability

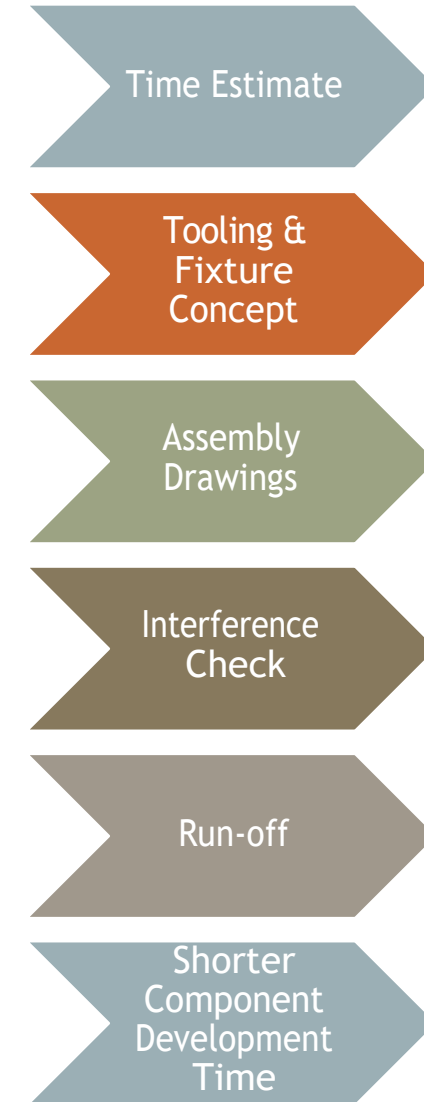
Be committed to long-term greatness rather than transactional relationships.



**OUR EXPERTISE**

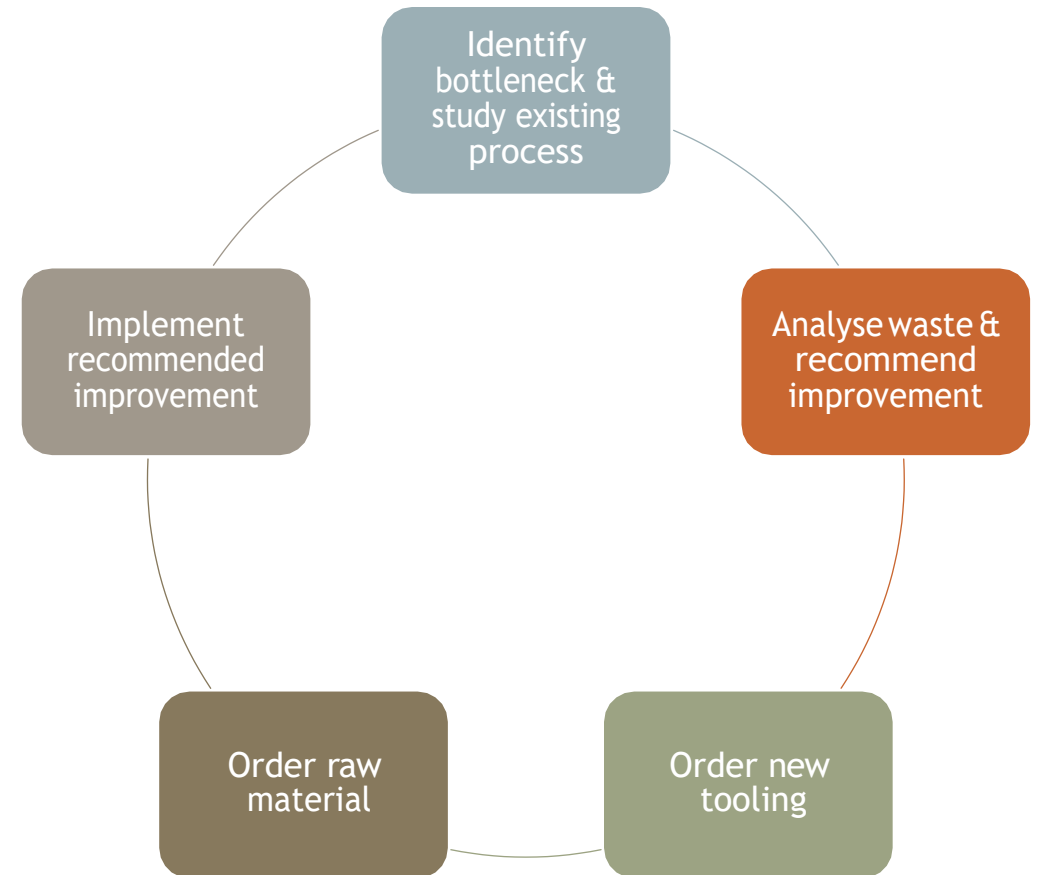
## TURNKEY PROJECTS

MSC OFFERS TURNKEY SOLUTIONS TO MAXIMIZE ROI ON PROJECT INVESTMENTS, THROUGH SHORTER COMPONENT DEVELOPMENT TIME, BY TAKING COMPLETE OWNERSHIP FROM DEFINING THE MACHINING PROCESS TO ESTABLISHING THE COMPONENT QUALITY FOR PRODUCTION.



## CAPACITY ENHANCEMENT PROJECTS

MSC OFFERS CAPACITY ENHANCEMENT PROJECT SERVICE, WHEREIN THE NON-CUT AND CUT TIME ARE ANALYSED TO IDENTIFY THE POSSIBLE REDUCTION IN CYCLE TIME ON BOTTLENECK SET-UP.





**OUR CUSTOMERS**

*NIPPON*



**Preethi**

**PHILIPS**



An UNO MINDA GROUP Company



# BUSINESS BREAKDOWN



AUTOMOTIVE

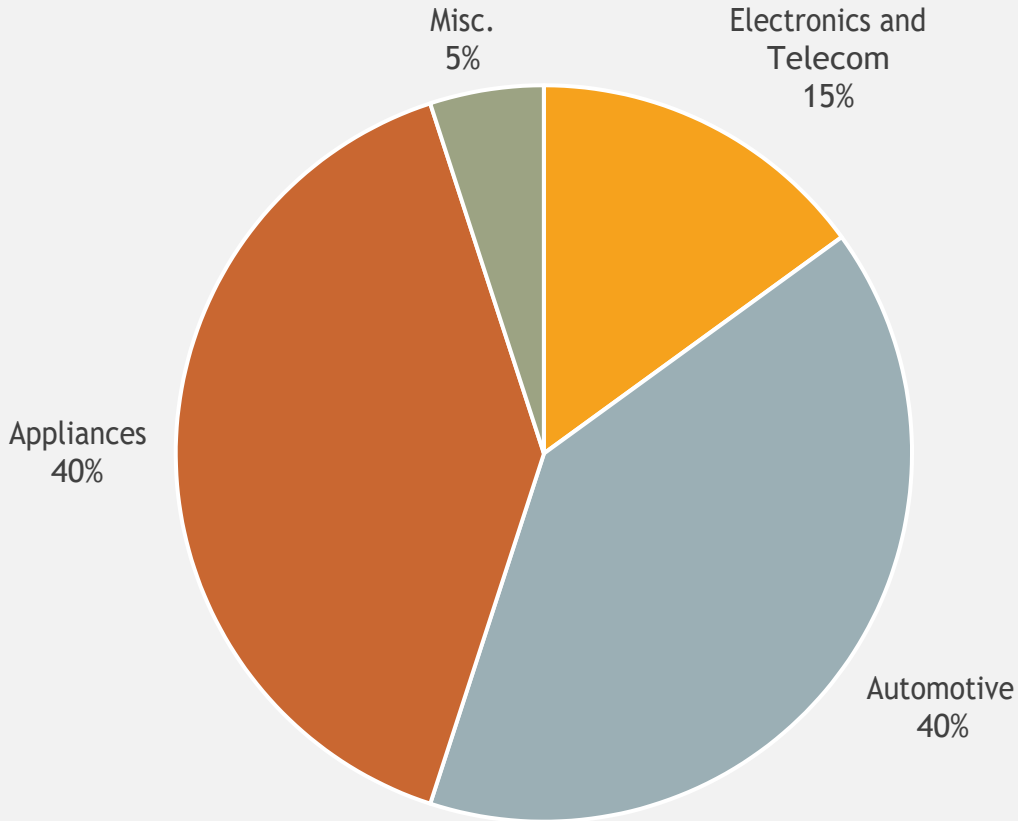


APPLIANCES



**LIGHTING**

Part Name	Electronics and Telecom	Automotive	Appliances	Misc.
Production	15%	40%	40%	5%



# TOOLROOM

Naraina Industrial Area, New Delhi.

A computer monitor is the central focus, displaying a detailed technical drawing of a mechanical component, possibly a turbine or engine part. The drawing is rendered in a light gray color against a darker background. The monitor is part of a workstation, with other parts of the desk and keyboard visible in the background, though they are out of focus. A white rectangular box is superimposed over the center of the monitor, containing the text "DESIGN FACILITY" in a bold, white, sans-serif font.

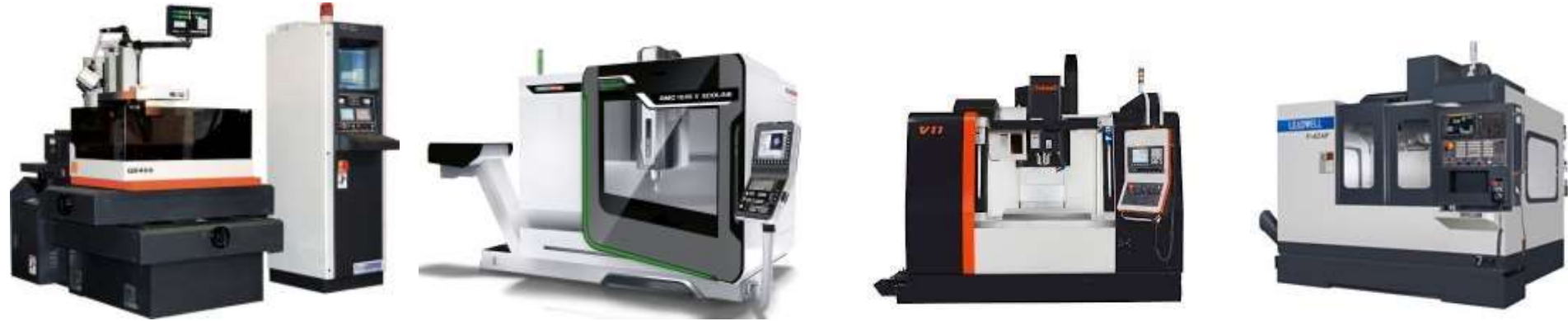
# DESIGN FACILITY

- MOULD DESIGNING THROUGH THE LATEST AVAILABLE VERSIONS OF AUTOCAD AND UNIGRAPHICS NX 12.
- WE HAVE A WELL QUALIFIED TEAM DEDICATED TO PRODUCT DESIGN FOR DEVELOPMENT OF NEW PRODUCTS AND ASSISTANCE ON SELECTION OF PROPER MATERIAL BASED ON APPLICATION.
- CAM ON DELCAM.



A close-up, dark-toned photograph of a CNC machine's cutting tool and workpiece. The tool is positioned to machine a cylindrical part, with visible metal shavings and the precision of the process. The lighting is dramatic, highlighting the textures of the metal and the sharp edges of the tool.

# CNC MACHINING

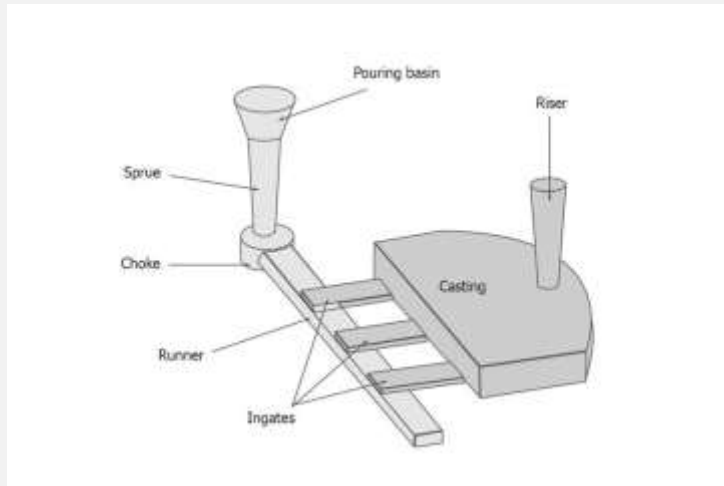
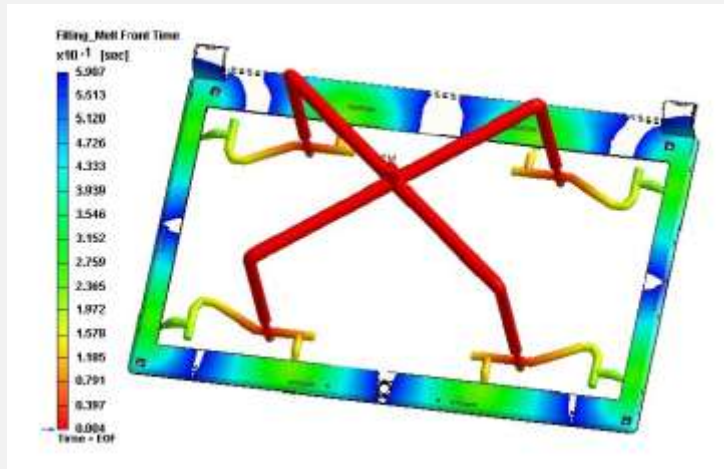


OUR TOOLROOM IS EQUIPPED WITH  
CONVENTIONAL TOOLROOM AND STATE- OF-  
THE-ART CNC MACHINING LIKE WIRECUT, (JK  
TAIWAN), OSCAR EDM, LEADWELL AND  
DMG MORI.

S. No.	Machine	Bed size	Machine travel
01	Leadwell (2no.s)	1100 x600	X = 1021 Y = 620 Z = 500
02	DMG Mori	1200 x560	X = 1035 Y = 560 Z = 510
03	Wirecut Phillips	800 x 520	X = 400 Y = 500 Z = 300
04	Mapple	1000 x 550	X = 850 Y = 550 Z = 550



# MOLD DESIGNING



- CALCULATION OF FILLING PARAMETERS
- GATING SYSTEM DESIGN ANALYSIS
- COOLING AND EJECTION SYSTEM CALCULATIONS
- MOLD FLOW ANALYSIS
- PART AND ASSEMBLY MODELLING 3D
- 2D DRAWINGS
- COMPLETE MOLD DESIGN THROUGH UNIGRAPHICS



# TYPES OF MOLDS



- COLD RUNNER MOLD
- HOT RUNNER MOLD
- HOT SPRUE MOLD
- SINGLE CAVITY MOLD
- MULTI CAVITY MOLD
- FAMILY MOLDS

An overhead view of two workers in a factory setting. One worker, wearing a yellow safety vest and a yellow hard hat, is on the left side of a large, perforated metal assembly. The other worker, wearing a dark long-sleeved shirt and a yellow hard hat, is on the right side. They are both focused on their work. The assembly is supported by several vertical posts. In the background, there are yellow and black striped safety blocks. The floor is concrete with yellow safety lines. On the left side, there are stacks of metal parts on wooden pallets. The text "ADDITIONAL SERVICES" is overlaid in the center of the image.

# ADDITIONAL SERVICES



CAD/CAM



PROTOTYPE



MODELLING



TRIALS



VALUE  
ENGINEERING



MOLD FLOW

# LOCATIONS



Head office and Plant 1:  
Naraina Industrial Area, Ph-1, New Delhi



Plant 2 and Plant 3:  
Bahadurgarh Industrial Estate, Haryana



## CONTACT US

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**THANK YOU**