

**Design.
Detail.
Deliver.**

Engineering support for manufacturers,
fabricators, EPCs and product companies.

ESTABLISHED

2021

GST & UDYAM REGISTERED



ENGINEERING DESIGN PARTNER

**From concept and calculation to production-ready
engineering data.**

MOLD & TOOLING • PRESSURE VESSEL • MECHANICAL DESIGN • PRODUCT DEVELOPMENT

Company Overview

A flexible engineering design partner for project-based and outsourced technical support.

Mani Tooling is a Coimbatore-based engineering services firm supporting industrial customers from concept development through detailed engineering and production documentation. Our focus is practical, manufacturable design - delivered with clear scope control, responsive communication and project-ready documentation.

2021

Business established

4

Core service groups

B2B

Project & outsourcing model

INDIA +

Remote support capability

BUSINESS CREDENTIALS

- Sole proprietorship - Mani Tooling
- Current account in business name
- GST registered trade name: Mani Tooling
- Udyam / MSME registered
- Engineering design service focus

OUR APPROACH

Work as an extension of the client engineering team - with defined inputs, controlled revisions and deliverables aligned to manufacturing needs.

Core Engineering Capabilities

01 Mold & Tooling Design

Injection moulds, pressure die-casting moulds, concept layouts, inserts, mold-base detailing and manufacturing-ready drawings.

02 Pressure Vessel & Static Equipment

Mechanical design support, vessel detailing, fabrication drawings, nozzle / component documentation and code-based design review when specified.

03 Mechanical Design & CAD

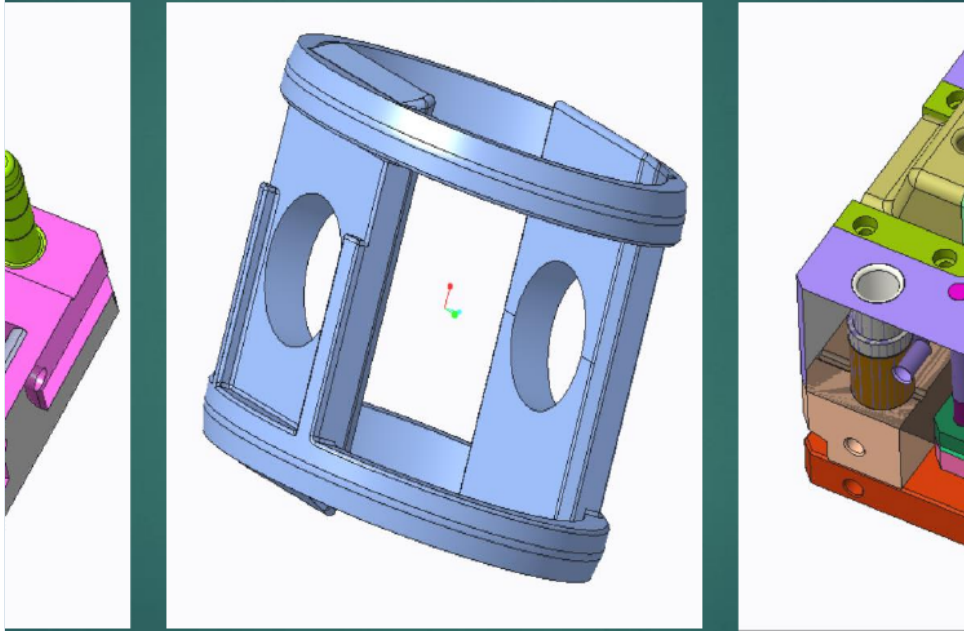
3D modelling, assemblies, GA drawings, production detailing, design modifications, reverse engineering and BOM support.

04 Product Development

Concept-to-CAD development, plastic-part engineering, rendering, 3D-print model preparation and design-for-manufacture support.

Mold & Tooling Design

ALUMINIUM FRAME



Injection Mould & PDC Engineering

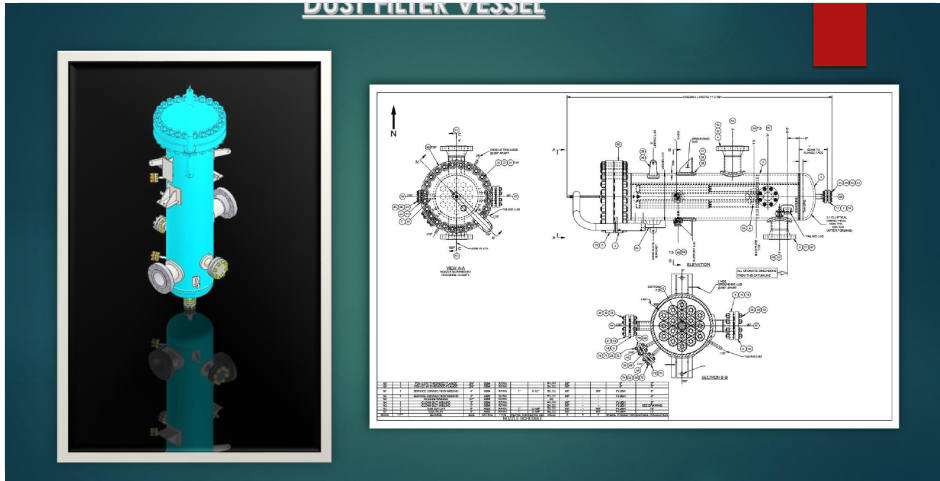
From component review to mold concept and detailed manufacturing information.

- Product / component review and DFM input
- Parting concept, core-cavity definition and functional split
- Runner, gate and ejection concept support
- Mold insert detailing and mold-base detailing
- Pressure die-casting tool design support
- Machining / production drawing preparation
- Design revision and manufacturing support

Typical outputs

3D CAD • Mold layouts • Insert drawings • Mold-base drawings • Manufacturing data

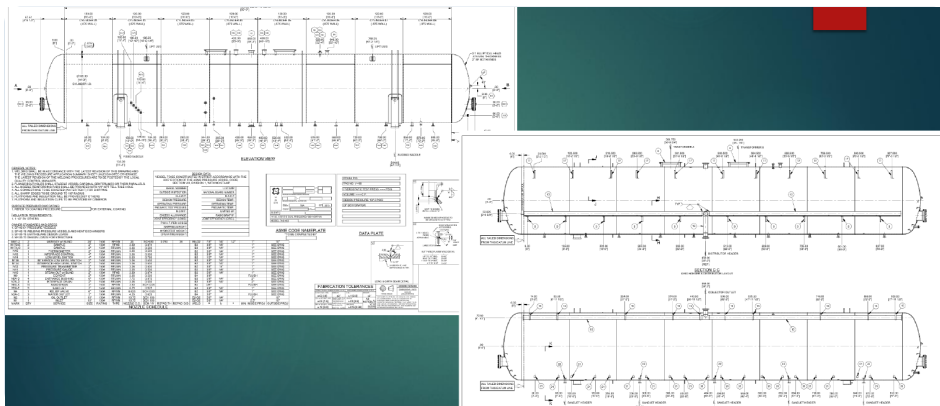
Pressure Vessel & Static Equipment



Design and Documentation Support

Engineering assistance for vessel and fabricated-equipment projects, with project/code requirements defined at quotation stage.

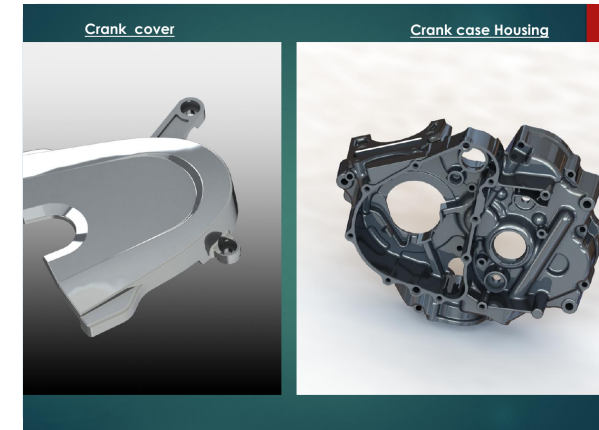
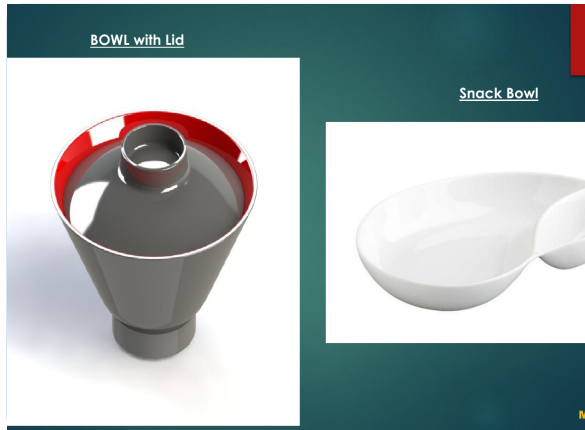
- Design input review and calculation support
- Pressure vessel / static equipment detailing
- Nozzle, attachment and fabrication detail documentation
- GA and fabrication drawing support
- Revision handling and client comment closure
- Technical documentation and transmittal-ready deliverables
- ASME Section VIII based review/support when required by project scope



Note

Code edition, software version, third-party verification and certification requirements are confirmed for each project before work starts.

Mechanical Design & Product Development



Practical design support for new products, legacy-part updates and manufacturing documentation.

3D DESIGN

- Part & assembly modelling
- Design changes / variants
- Reverse engineering support

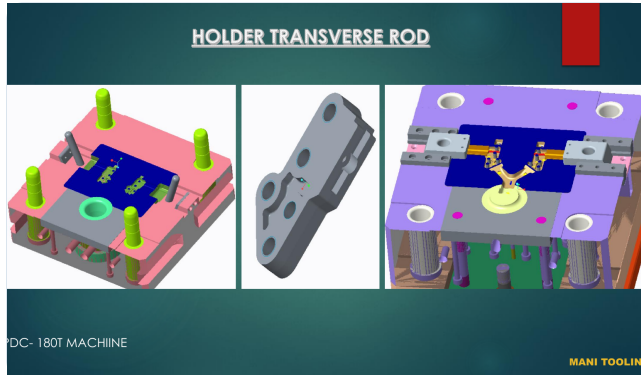
DETAILING

- GA / manufacturing drawings
- Dimensioning & production notes
- BOM and drawing-pack support

PROTOTYPE SUPPORT

- Rendering and visual review
- 3D print-ready geometry
- DFM-oriented design refinement

Selected Tooling Projects



Holder Transverse Rod - PDC 180T



Aluminium Frame - PDC 120T



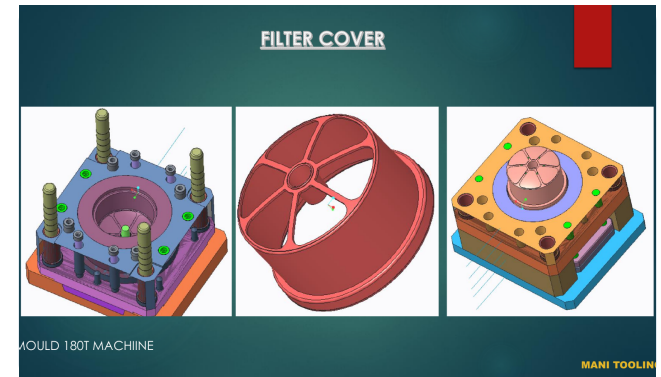
Street Light Cover - Mould



Housing 220 - PDC

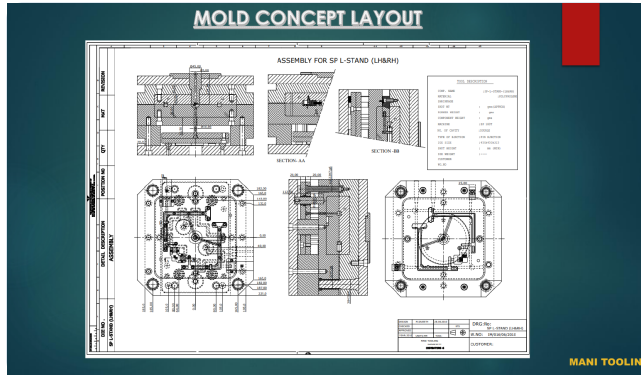


Impeller - Mould

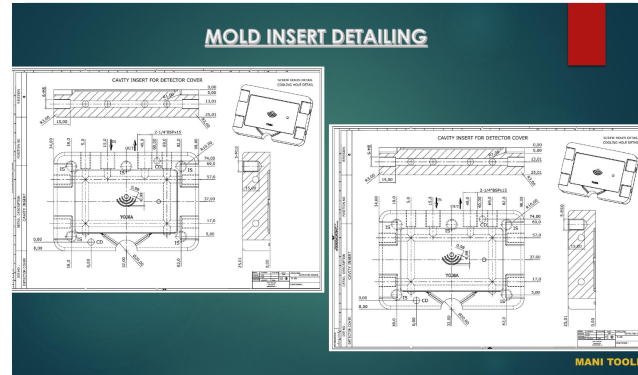


Filter Cover - Mould

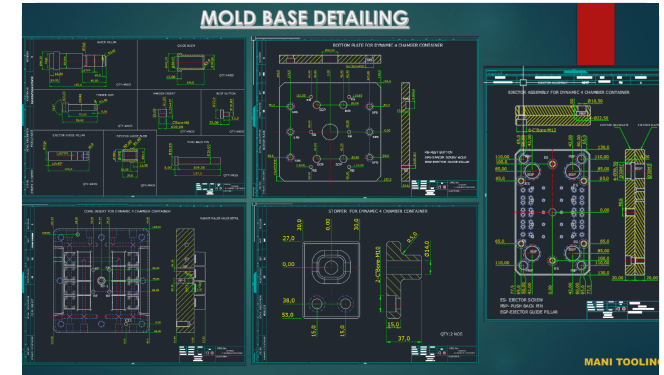
Selected Engineering Deliverables



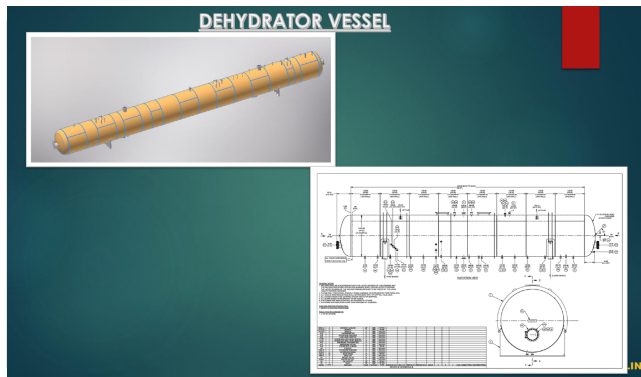
Mold Concept Layout



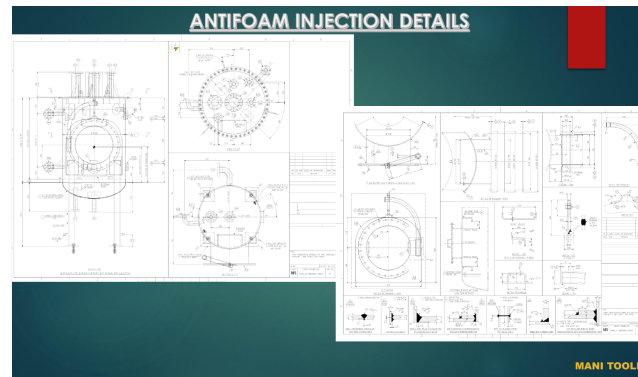
Mold Insert Detailing



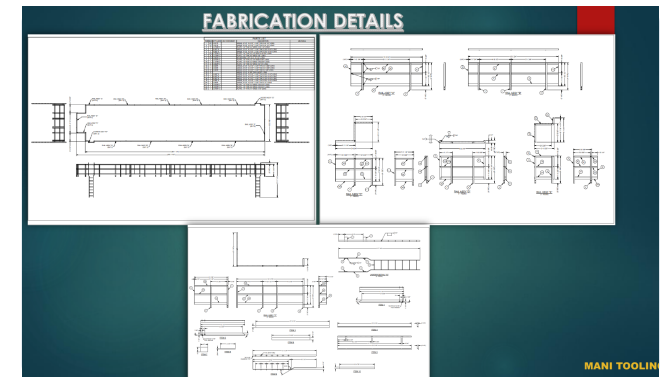
Mold Base Detailing



Dehydrator Vessel

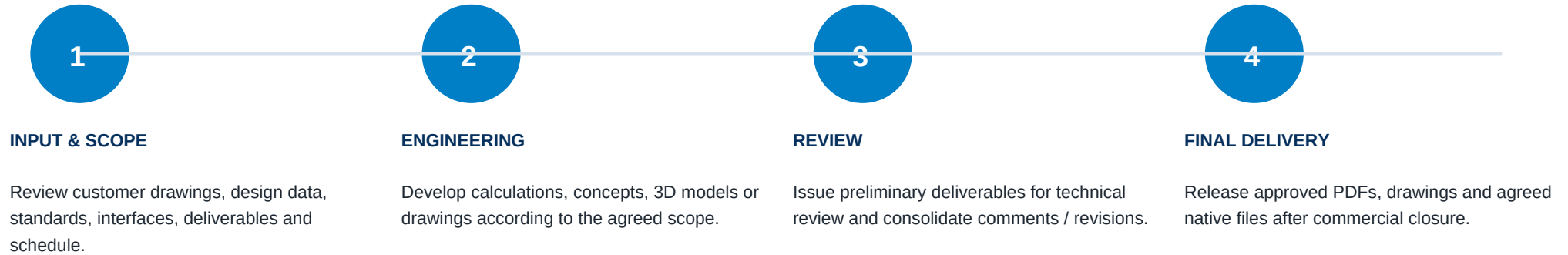


Antifoam Injection Details



Fabrication Details

How We Execute Projects



PROJECT CONTROL

Defined inputs • Agreed scope • Revision control • Assumption tracking • Milestone submissions • Clear communication • Final deliverable register

Flexible Engagement Models

PROJECT BASED

Fixed scope / fixed deliverables

Best for defined mold, vessel, drawing or product-development packages.

HOURLY SUPPORT

Flexible engineering hours

Best for design modifications, comment closure, troubleshooting and changing scope.

DEDICATED CAPACITY

40 / 80 / 160 hrs per month

Best for manufacturers and engineering teams needing recurring overflow capacity.

BUILT FOR OUTSOURCED ENGINEERING

Use Mani Tooling as an extension of your engineering team during peak workload, short-duration projects or specialist design assignments - without adding permanent headcount.

Why Partner With Mani Tooling

● **Manufacturing mindset**

Design outputs are developed with practical production and fabrication needs in view.

● **Flexible capacity**

Engage only the engineering capacity required - by project, hour or monthly support.

● **Confidentiality aware**

Client drawings and project information are treated as controlled engineering information.

● **Multi-discipline capability**

Tooling, mechanical CAD, product development and static-equipment support under one engineering service.

● **Direct communication**

Clear technical coordination with the person executing or managing the engineering work.

● **Commercial discipline**

Scope, milestones, revisions and payment terms are agreed before execution.



LET'S DISCUSS YOUR NEXT ENGINEERING REQUIREMENT

Send the available drawings, design inputs and required deliverables. We can review the scope and respond with the proposed execution approach, schedule and commercial offer.

CONTACT

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ENGINEERING THAT MOVES FROM IDEA TO MANUFACTURING.