COMPANY PROFILE | CAPABILITIES

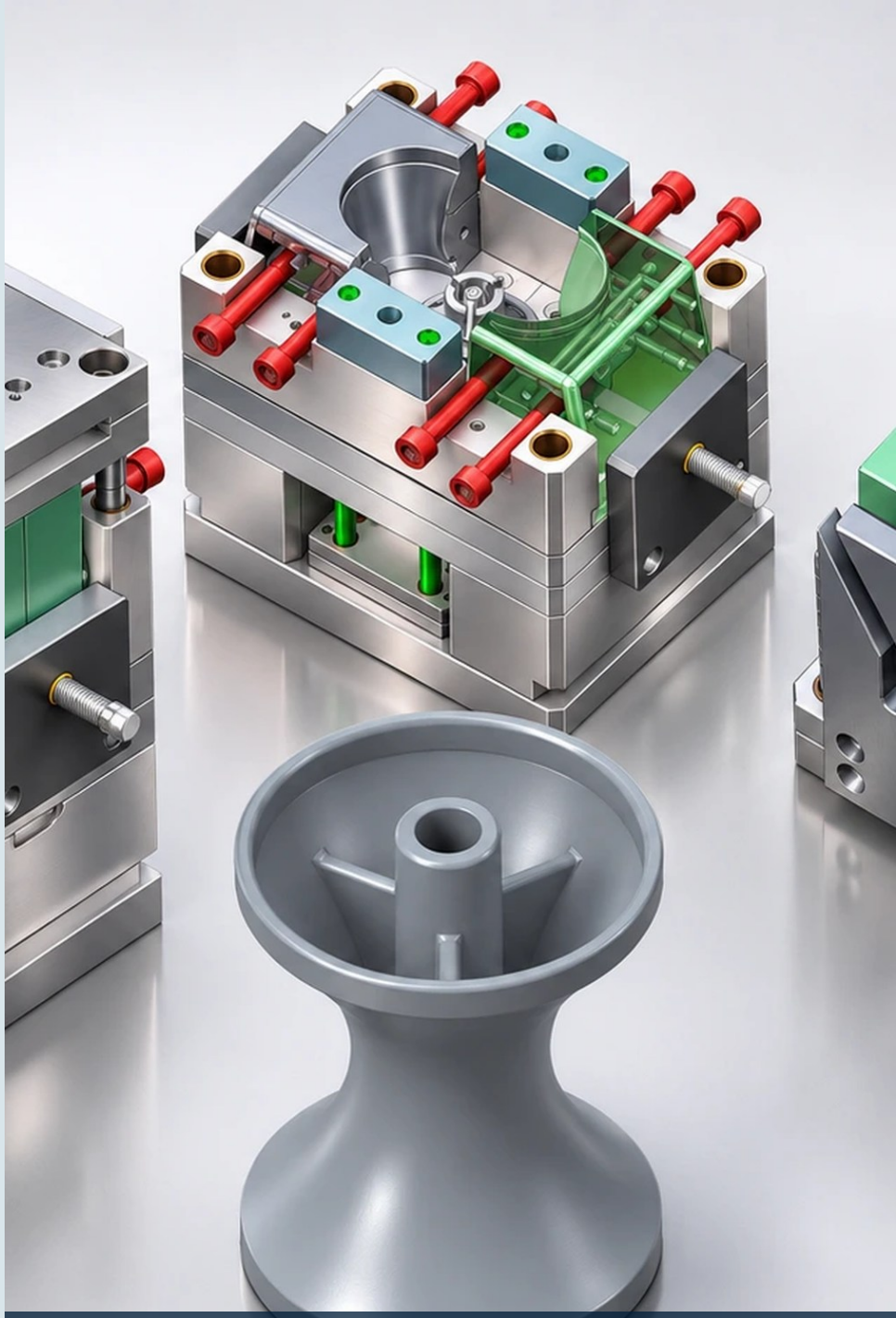
ENGINEERING CAPABILITIES

& CLIENT PROJECTS

Direct-client mould design work, 2D CAD detailing, electrode and product engineering capability, and pressure-vessel design support.

PROBITY FOR PROSPERITY

Coimbatore, India • Global engineering design support



SELECTED MOULD & TOOLING DESIGN

OUR EXPERTISE

Engineering support built around the deliverable.

Mani Tooling is based in Coimbatore, India, and established in 2021. Projects are scoped around CAD inputs, engineering standards and a controlled drawing

01 Injection mould design

Core, cavity, parting, inserts, cooling and ejection layouts.

02 Complex mould & tooling

Cylindrical-frame tooling, special mechanisms and mould architecture.

03 EDM electrode design

Electrode models, cavity matching, holders and detail drawings.

04 2D mould detailing

Sections, manufacturing dimensions, BOM and controlled revisions.

05 Product & mechanical CAD

Plastic enclosures, ribs, bosses, interfaces and exploded assemblies.

06 Pressure die-casting tools

Die split, inserts, actions, gates and manufacturing documentation.

07 Pressure-vessel engineering

Secondary support: calculations, layouts and drawing review.

ENGAGEMENT MODEL

Project-based design packages, remote CAD support and agreed review deliverables.

SELECTED CLIENT WORK

Completed mould & tooling design assignments

Projects 01–02 of 14



DIRECT-CLIENT DESIGN

Rounded enclosure cover mould

Two steel mould halves and the corresponding smooth rounded cover.



DIRECT-CLIENT DESIGN

Precision mould assembly collection

Multiple mould-assembly configurations with a separate contoured component.

SELECTED CLIENT WORK

Completed mould & tooling design assignments

Projects 03–04 of 14



DIRECT-CLIENT DESIGN

Impeller mould development

Completed impeller tooling design work with radial blade geometry and matching mould views.



DIRECT-CLIENT DESIGN

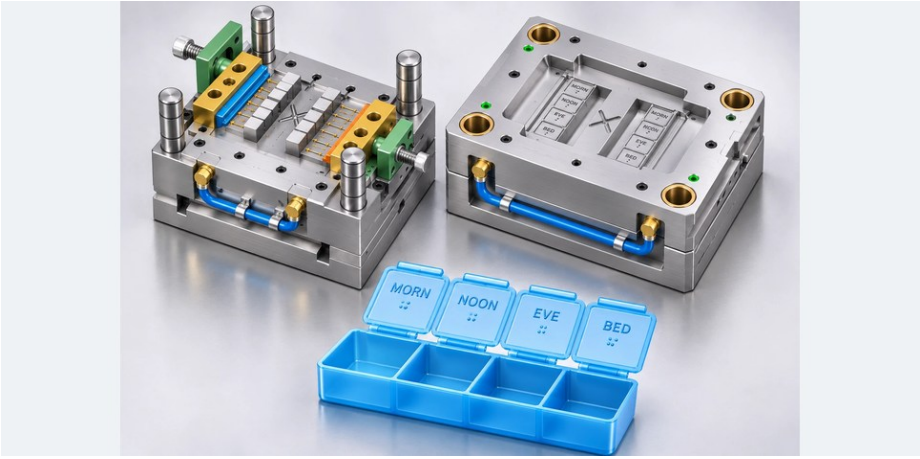
Shallow tray injection mould

Client tray mould design showing two tooling halves, cooling connections and the plastic part.

SELECTED CLIENT WORK

Completed mould & tooling design assignments

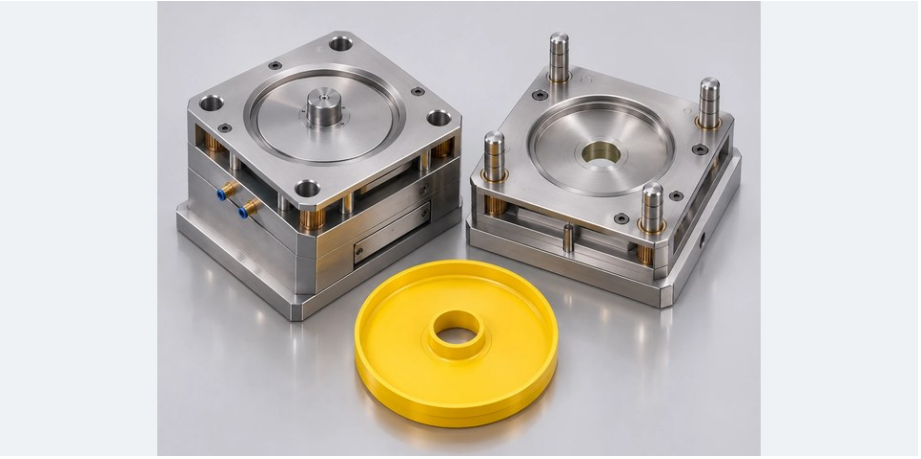
Projects 05–06 of 14



DIRECT-CLIENT DESIGN

Four-compartment organizer mould

Mould-design work for a hinged organizer with four internal compartments.



DIRECT-CLIENT DESIGN

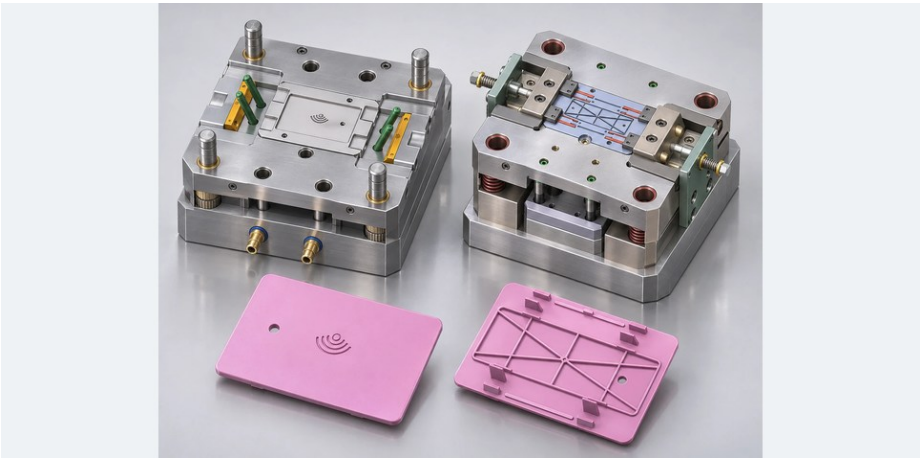
Circular cover mould

Circular cover component with a raised centre feature and mating mould halves.

SELECTED CLIENT WORK

Completed mould & tooling design assignments

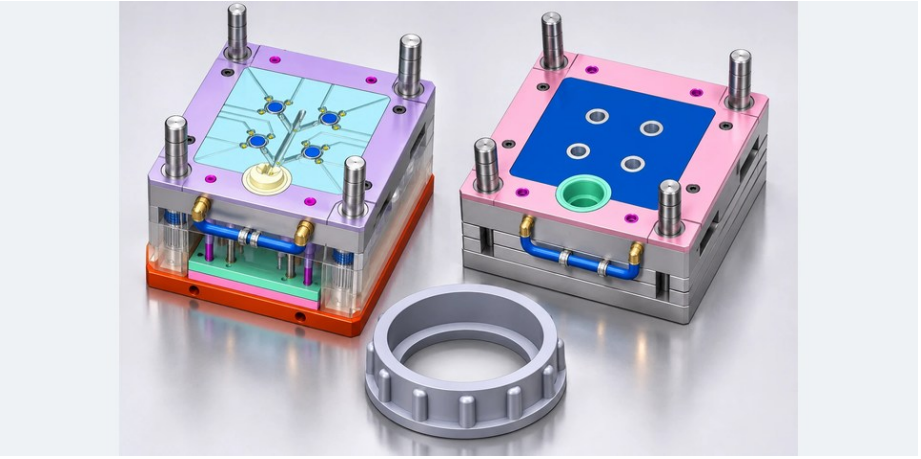
Projects 07–08 of 14



DIRECT-CLIENT DESIGN

Ribbed panel mould detailing

Tooling surfaces for a thin panel with a clean exterior and ribbed reverse side.



DIRECT-CLIENT DESIGN

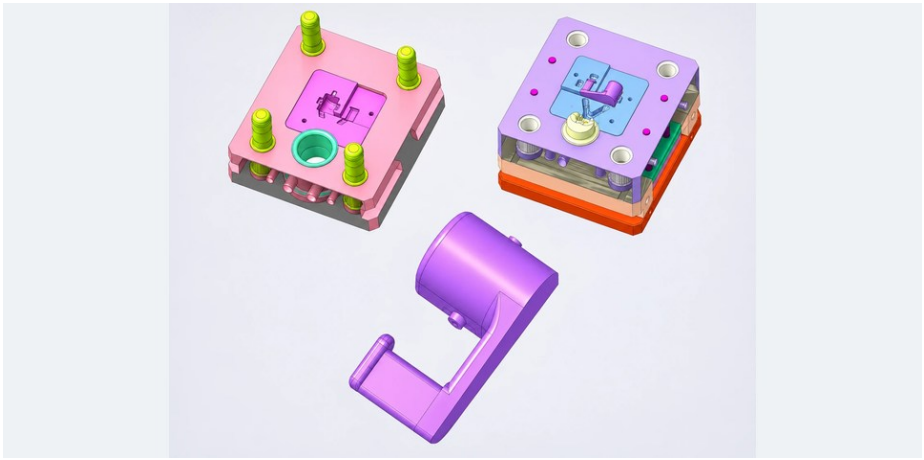
Radial-feature ring mould

Two mould assemblies and a circular component with repeated external features.

SELECTED CLIENT WORK

Completed mould & tooling design assignments

Projects 09–10 of 14



DIRECT-CLIENT DESIGN

Hook-style component mould

Tooling and component design views for a hook-shaped plastic part.



DIRECT-CLIENT DESIGN

Cylindrical frame mould assembly

Client mould-assembly project for a cylindrical frame with structural ribs.

SELECTED CLIENT WORK

Completed mould & tooling design assignments

Projects 11–12 of 14



DIRECT-CLIENT DESIGN

Cylindrical frame mould detailing

Steel mould assembly views and separate cylindrical-frame component.



DIRECT-CLIENT DESIGN

Structural mounting bracket mould

Completed tooling-design project for a three-point mounting bracket.

SELECTED CLIENT WORK

Completed mould & tooling design assignments

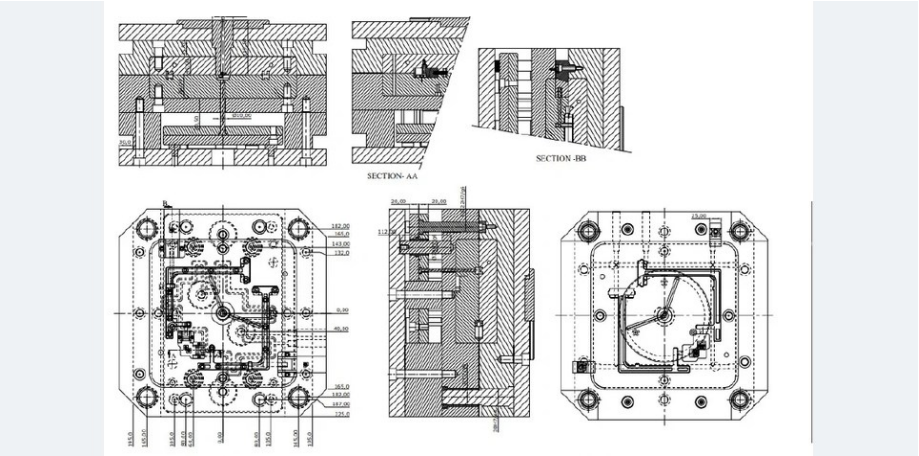
Projects 13–14 of 14



DIRECT-CLIENT DESIGN

T-handle injection mould

Steel mould halves shown with a T-shaped grip component.



DIRECT-CLIENT DESIGN

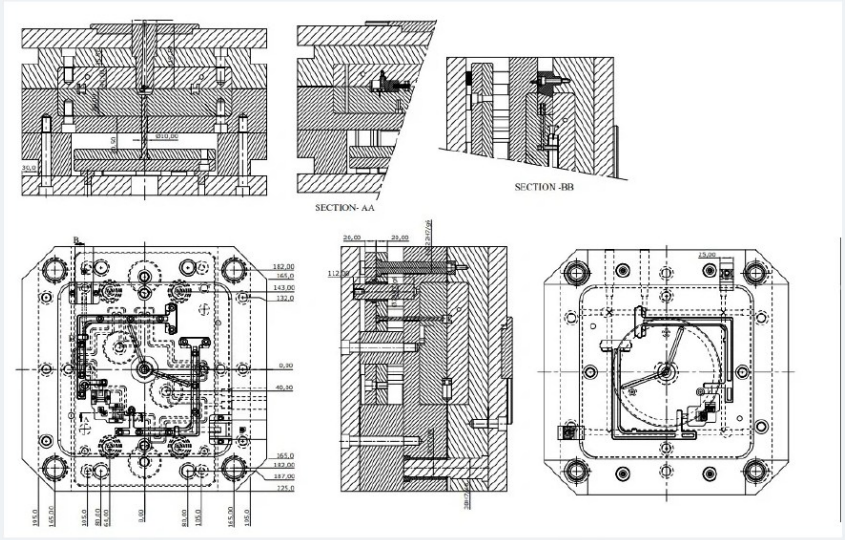
2D mould assembly & detail drawings

2D assembly drawings with orthographic views, sections and dimensions.

ENGINEERING DOCUMENTATION

2D mould assembly and detail drawings

2D assembly and detail drawings showing component relationships, sections, dimensions and engineering documentation.



TYPICAL DELIVERABLES

Assembly drawings

Relative component positions and overall interfaces

Sectional views

Hidden mechanisms and detail geometry

Manufacturing notes

Dimensions, fits and materials as specified

Revision control

Drawing lists, approved changes and release status

DEDICATED DESIGN SERVICES

Product engineering and EDM electrode design

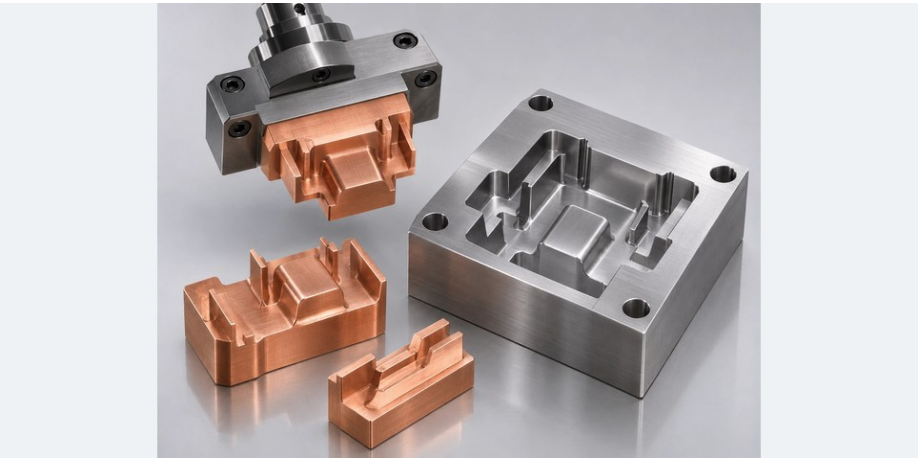
Distinct design services covering plastic enclosures, product assemblies, EDM electrodes and matching mould-cavity geometry.



ENGINEERING CAPABILITY

Plastic enclosure & product engineering

Exploded plastic enclosure with ribs, bosses, ventilation and internal assembly interfaces.



ENGINEERING CAPABILITY

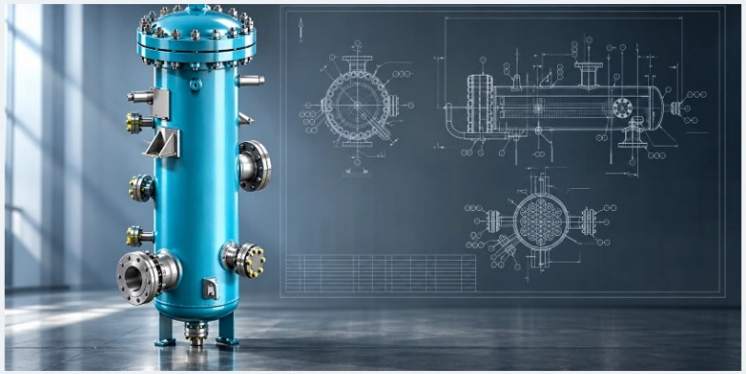
EDM electrode design & mould insert

Copper EDM electrodes and a corresponding machined steel cavity insert.

SECONDARY SPECIALIST CAPABILITY

Pressure-vessel design & engineering review

Vertical and horizontal pressure-vessel arrangements for engineering design reviews, mechanical checks and drawing coordination.



ENGINEERING CAPABILITY

Vertical process pressure vessel

Vertical process vessel arrangement with flanged connections and accompanying engineering drawing views.



ENGINEERING CAPABILITY

Horizontal process pressure vessel

Horizontal vessel on saddle supports, with flanged nozzles and an access manway.

Project-specific ASME VIII review, pressure-boundary checks, GA/fabrication drawings and code basis must be agreed separately. No U-stamp, PE seal or certification is implied.

YOUR NEXT PROJECT

A practical path from design input to controlled release.

We review the technical brief, define the deliverables and return a clear engineering scope for your approval.

01 **Share your inputs**

3D CAD, drawings, process, materials and desired output.

02 **Agree the scope**

Engineering basis, milestones, schedule and revision rules.

03 **Design and review**

CAD modelling, drawing work and comment closure.

04 **Release deliverables**

Agreed model formats, 2D drawings, BOM and document register.

Please share a STEP or Parasolid model, drawing, intended scope, target timeline and preferred deliverable format.

LET'S DISCUSS

YOUR NEXT ENGINEERING PROJECT

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