Since 1959

ENGINEERING WITH PLASTICS

From Concept to Production



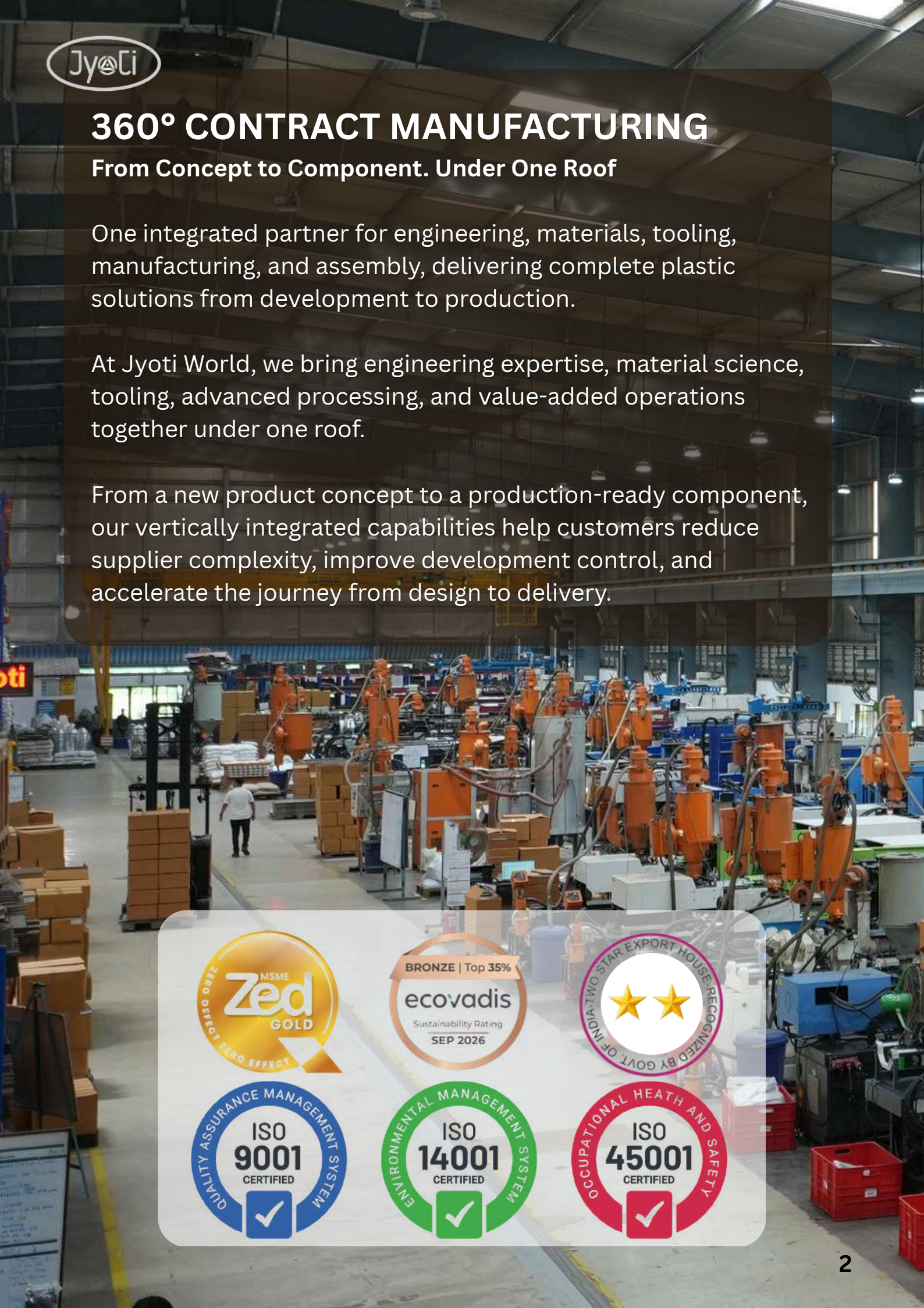
360° CONTRACT MANUFACTURING

From Concept to Component. Under One Roof

One integrated partner for engineering, materials, tooling, manufacturing, and assembly, delivering complete plastic solutions from development to production.

At Jyoti World, we bring engineering expertise, material science, tooling, advanced processing, and value-added operations together under one roof.

From a new product concept to a production-ready component, our vertically integrated capabilities help customers reduce supplier complexity, improve development control, and accelerate the journey from design to delivery.





67 YEARS ANNIVERSARY

IP & DESIGN OWNERSHIP
28 Design Registrations
3 Proprietary IPs

Design & Development

Polymer Compounding

Tool Room

Injection Molding
2K Molding
IML/ IMD Capability

Profile Extrusion
Mono, Twin, Tri

Plastic Machining

Value Added Services

OUR INTEGRATED MANUFACTURING ECOSYSTEM

01 | ENGINEERING & DESIGN
Design to DFM | Simulation to Validation

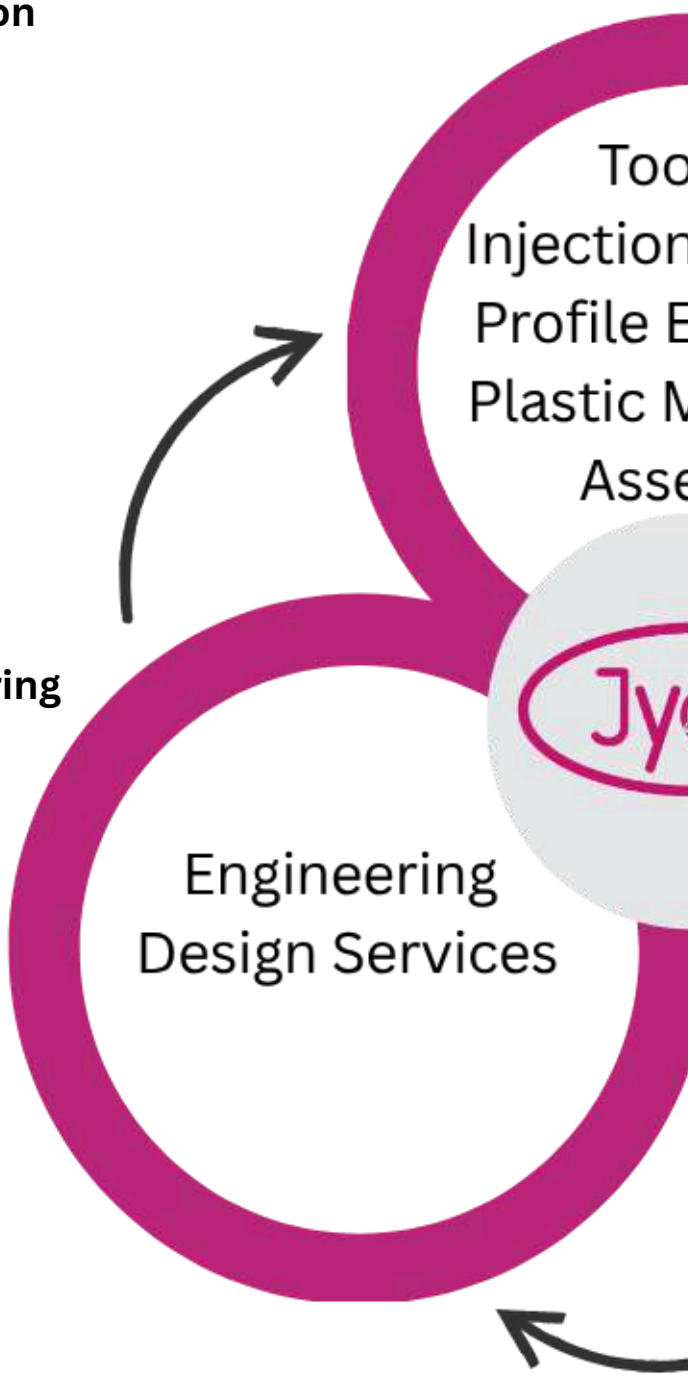
- Product & Mold Design
- DFM / DFA
- Moldflow Analysis
- FEA / CFD / FMEA
- Reverse Engineering
- Rapid Prototyping
- GD&T / QFD
- Value Engineering
- **Moldflow Silver Certified Partner**

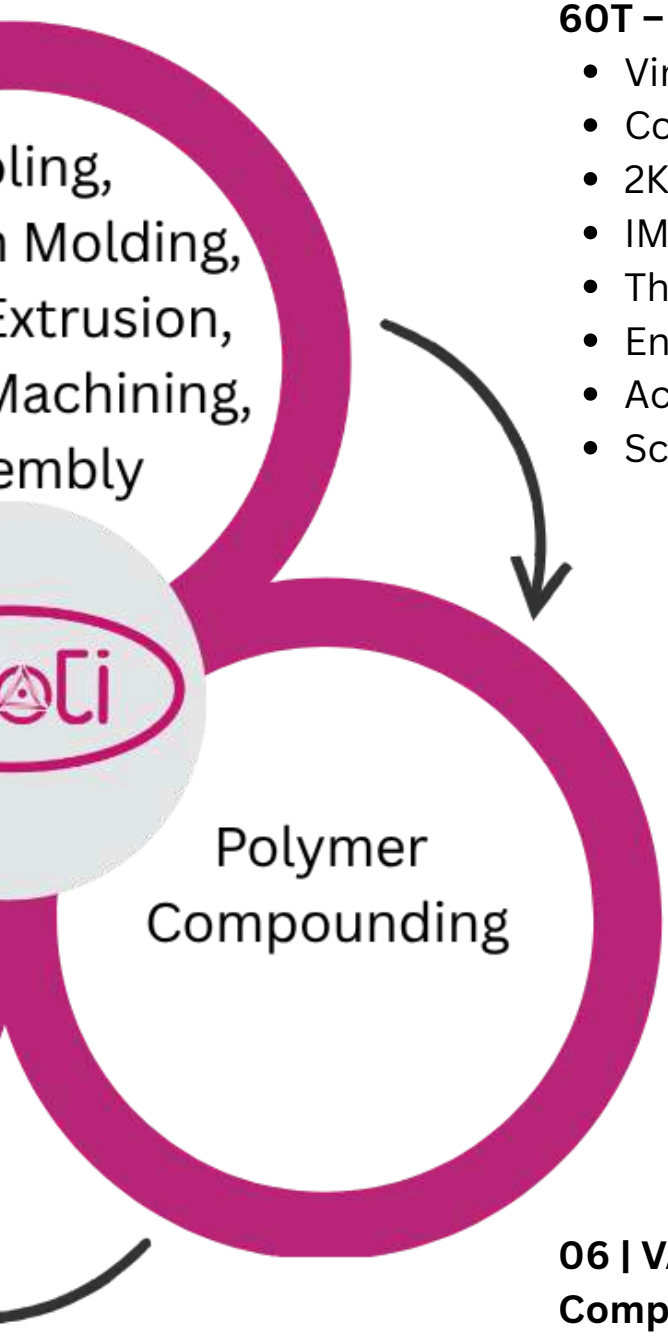
02 | POLYMER COMPOUNDING
Application-Specific Material Engineering

- Virgin • Recycled • Hybrid
- Engineering Thermoplastics
- Glass / Mineral Filled
- FR • UV • Heat Stabilized
- Conductive / Antistatic
- Custom Colour & Formulation
- Application-Specific Grades
- Circular Economy Solutions

03 | TOOLING
Design • Development • Production

- Injection Moulds
- Extrusion Dies
- CNC Machining
- EDM / Wire EDM
- Tool Modification & Maintenance
- Prototype Tooling
- **Tool Size up to 1.5 × 1.5 m**





04 | INJECTION MOULDING

60T – 1200T | Precision to Large-Format

- Virgin • Recycled • Reinforced Grades
- Conventional Molding
- 2K / Multi-Material
- IML
- Thick-Wall Molding
- Engineering Plastics
- Accuracy up to ±50 Microns
- Scientific Moulding

05 | PROFILE EXTRUSION

Mono • Twin • Tri • Co-Extrusion

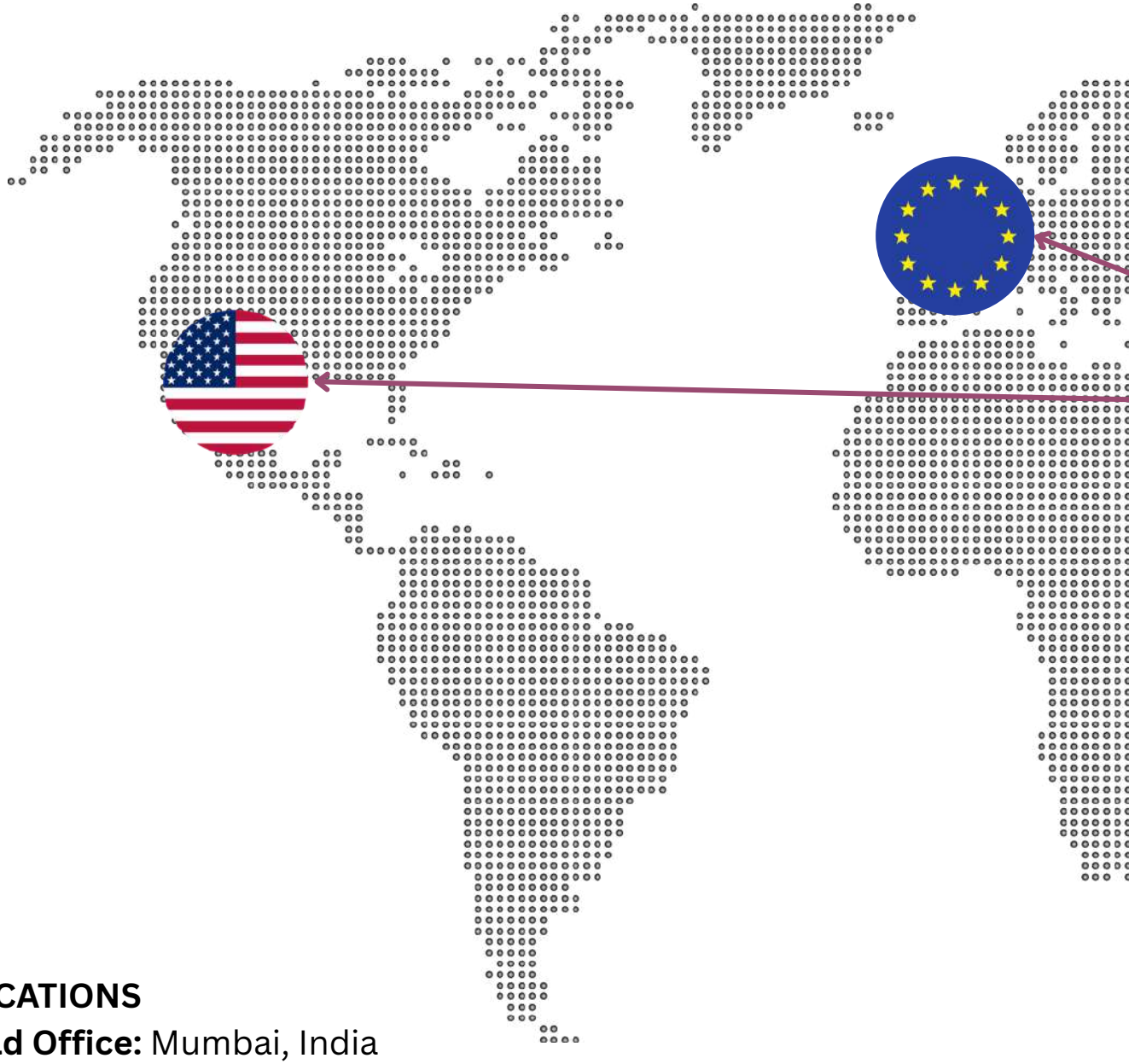
- Engineering Profiles
- Complex Geometries
- Multi-Material Profiles
- Custom Profile Development
- PE • PP • PVC • TPE • TPU • PC

06 | VALUE ADDITION & ASSEMBLY

Component → Sub-Assembly → Finished Solution

- Ultrasonic Welding
- Solvent Welding
- Screen / Pad Printing
- Balancing
- Thick Block Machining
- Secondary Operations
- Assembly

GLOBAL REACH. INTEGRATED INFRASTRUCTURE
India-based Manufacturing | Global Customer Base



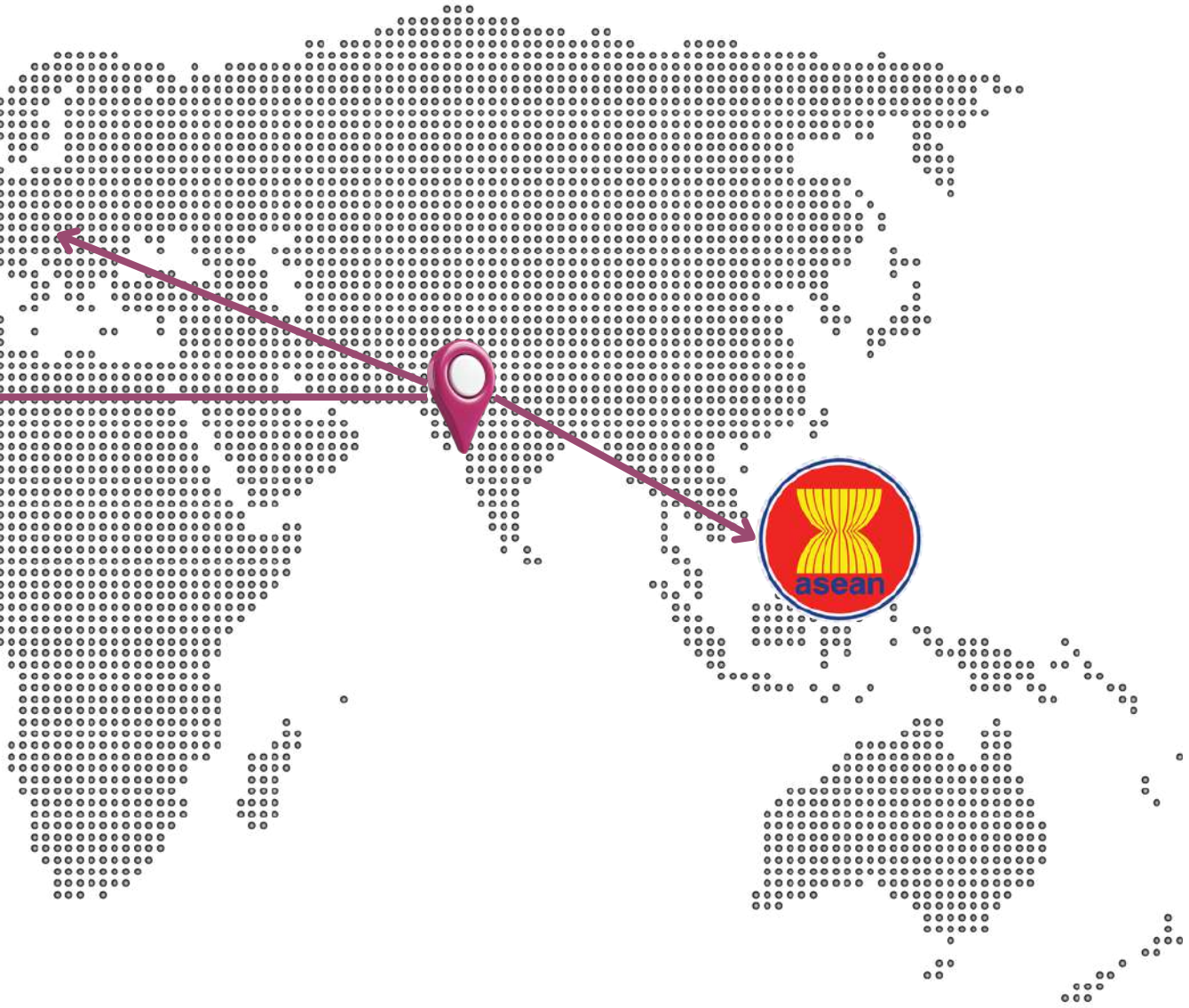
OUR LOCATIONS

Head Office: Mumbai, India
Integrated Manufacturing Facility: Vapi, Gujarat, India

MANUFACTURING INFRASTRUCTURE

- 400,000+ SQ. FT.
- Integrated Manufacturing Campus
- 50+ Injection Molding Machines: 60T–1200T | 2K | IML
- 30+ Profile Extrusion Lines: Mono | Twin | Tri
- IN-HOUSE Tool Room, Polymer Compounding, Plastic Machining and Assembly

EXPORTS TO 14 COUNTRIES
NORTH AMERICA | EUROPE | ASIA



GLOBAL EXPORT MARKETS

NORTH AMERICA

• USA • Mexico

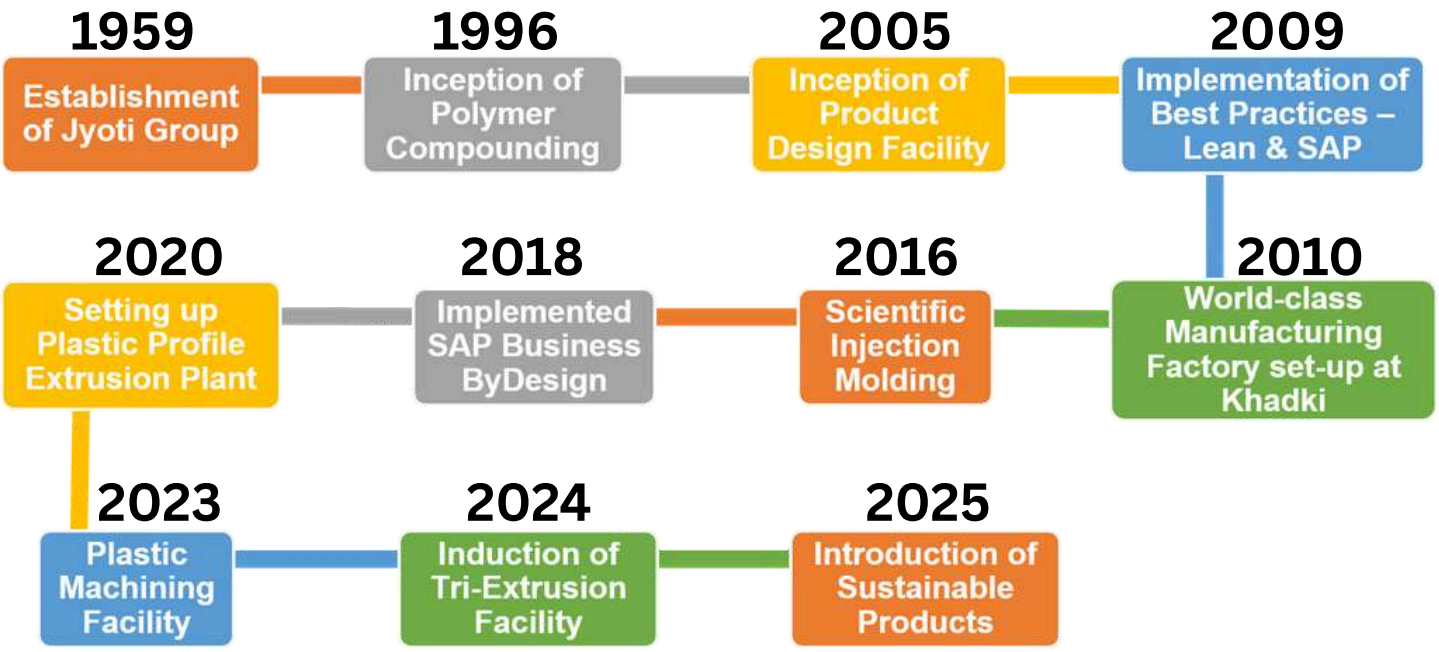
EUROPE

• Belgium • Finland • Germany • Italy • Netherlands • Poland
• Romania • United Kingdom

ASIA

• Cambodia • China • Japan • Philippines

CONTINUOUS CAPABILITY BUILDING SINCE 1959



Custom Polymer Compounding

Engineered polymer compounds designed for performance, consistency and application-specific requirements

Engineering Plastics Portfolio

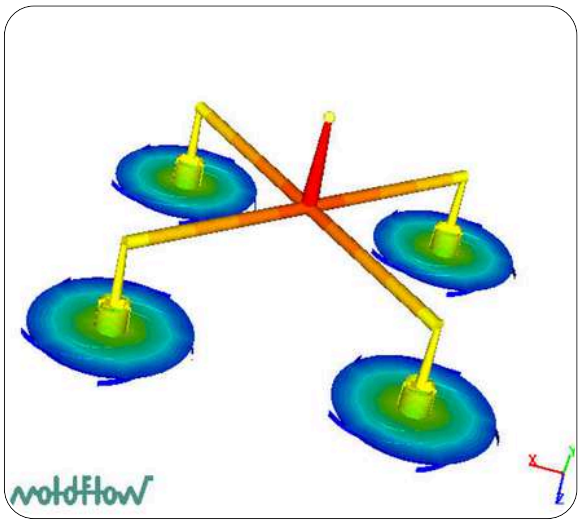
Available in Natural and Custom Colours | Prime, Hybrid & Recycled Variants

Products	Un-filled	Filled			Flame Retardant		UV Stabi-lized	Heat Resistant	Impact Modified	Hydrolysis Resistant	Customized Colours
		Glass Fiber	Glass Beads	Mineral Fiber	Halogen-ated	Halogen Free					
PA 6 (N6)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PA 66 (N66)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PC	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓
ABS (AB)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PBT (PB)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Alloys (P)	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓
PP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MLP (MP) **	✓	✓	✓	✓	X	X	X	X	✓	X	✓

**MLP (MP) is available only in Recycled Variant

Engineering Polymers | 100+ Grades | Compounded In-House

MANUFACTURING CAPABILITIES IN ACTION



Design & Development



In-house Tool Room



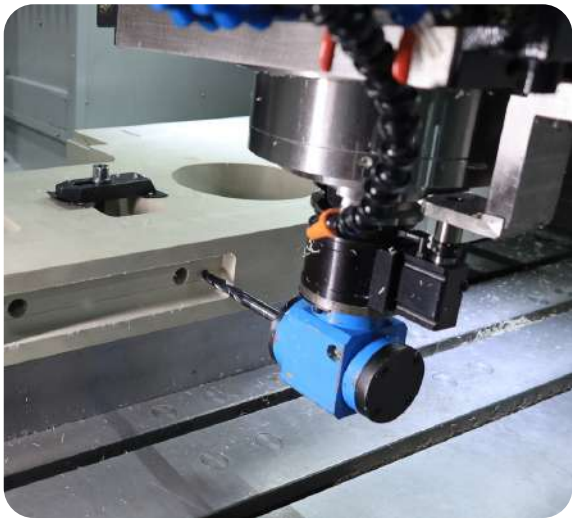
Injection Molding (60T - 1200T)



Profile Extrusion (Mono, Twin, Tri)



Assembly



Plastic Machining

ENGINEERED COMPONENTS | DIVERSE APPLICATIONS

ELECTRICAL & ELECTRONICS







FLUID ENGINEERING



INDUSTRIAL APPLICATIONS









WHITE GOODS & CONSUMER PRODUCTS









FROM COMPONENTS TO COMPLETE SOLUTIONS

PROTECTIVE & PORTABLE

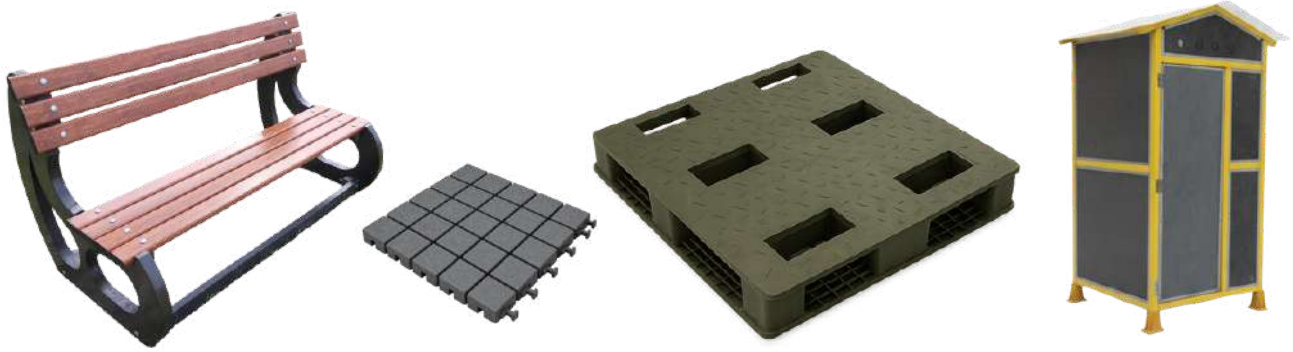




BUILDING & INFRASTRUCTURE



SUSTAINABLE PRODUCTS



PRECISION & TECHNICAL COMPONENTS





Since 1959

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