



# Shaping Product Innovation with Molding Expertise

## Company Introduction

Introducing Synertek Engineering Pvt Ltd, a natural progression stemming from the rich heritage of Variational Technologies Pvt Ltd. With over two decades of experience in providing top-notch engineering and product development services, Variational Technologies has earned a reputation for excellence and innovation in the industry. Building upon this foundation, Synertek Engineering Pvt Ltd emerges as a specialized manufacturing arm for precision plastic components and plastic injection molds, blow molds, tools, and fixtures. We focus on the production of engineering plastics parts and a diverse range of plastic consumer goods items. Synertek Engineering Pvt Ltd combines advanced technology with expert craftsmanship to meet the diverse needs of our clients. We specialize in the manufacturing intricate plastic injection molds and provide production for molded components that are meticulously engineered to meet stringent tolerance requirements for customers across diverse market segments.

## Our Motto

"Precision in Plastics, Quality in Every Mold." We are committed to delivering the highest standards in plastic molding through a relentless focus on accuracy, durability, and customer satisfaction.

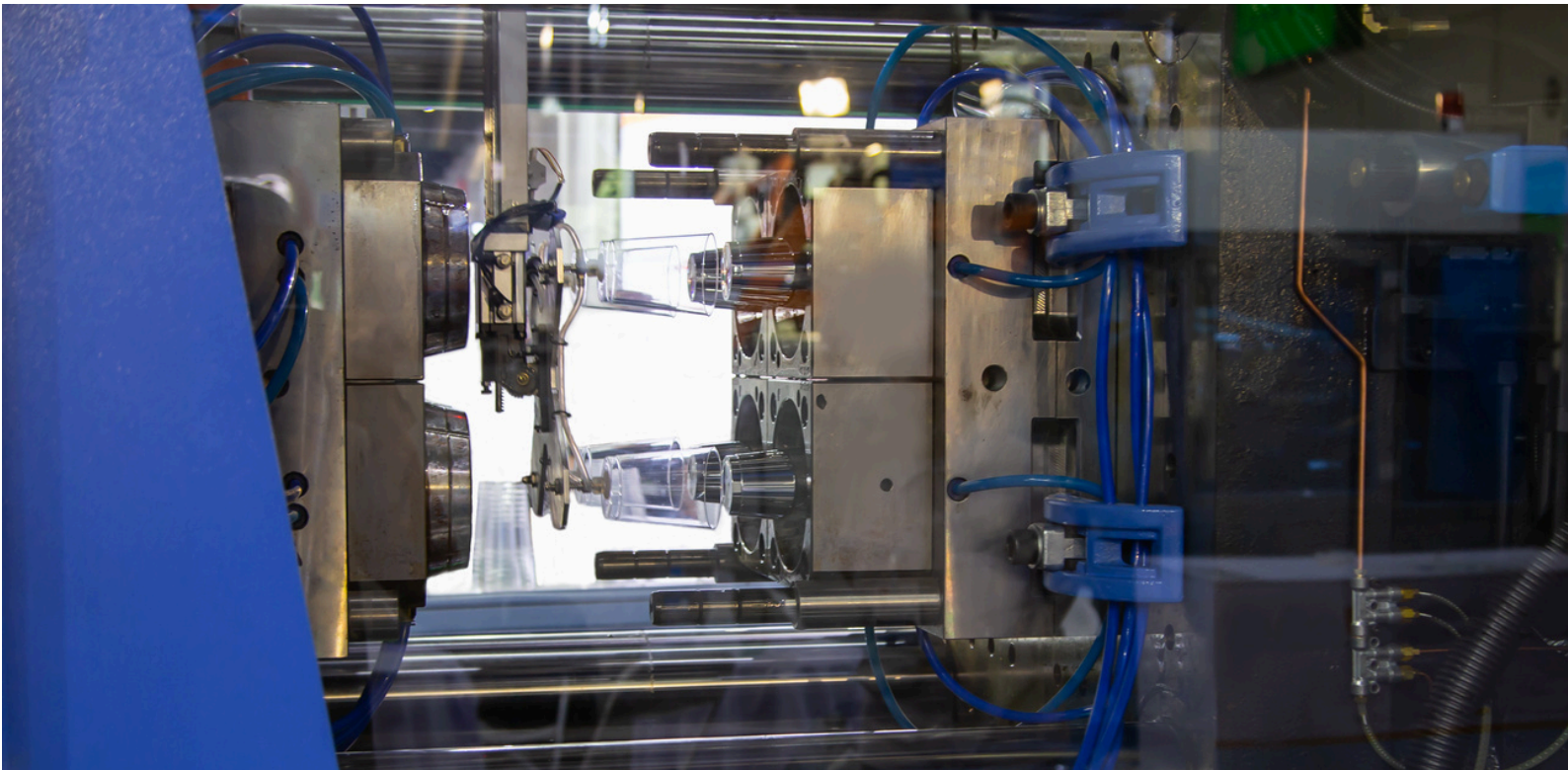
## Get in Touch

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**Partner with us to experience excellence in every product, mold, and service.**

## Our Services

At Synertek Plast, we provide a range of services tailored to meet our clients' specific needs:

**Product Development:** From initial 3D CAD designs to mold testing, we support every stage of product creation.

**Prototyping Services:** Functional and 3D printed prototypes to test and refine designs before production.

**Plastic Mold Manufacturing:** Using advanced tool steels and CNC machining for durable, high-precision molds.

**Injection Molding:** Up to 250-ton capacity and 500 grams shot weight for high-quality, accurate plastic parts.

## Why Choose Synertek

- ✓ End-to-End Support: From design to final production, we offer complete project support.
- ✓ High Precision: Our molds and components are crafted to exact specifications.
- ✓ We utilized the latest tools and technologies to staying ahead of industry trends for optimal results.
- ✓ We keep you informed every step of the way, providing insights, reports, and updates.
- ✓ On-Time Delivery: Efficient processes and skilled teams ensure timely project completion.

# How We Work

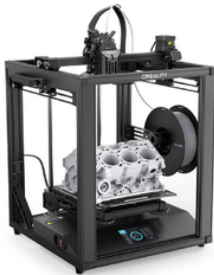
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## Product Design & Development

Synertek offers comprehensive product design and 3D modeling services to bring ideas from concept to reality. With expertise in CAD design and precision modeling, we transform your initial concepts into detailed, manufacturable designs.

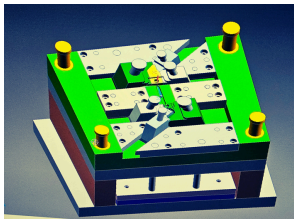
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## 3D Printing & Prototyping

We provide 3D printing, That is cost-effective solutions for creating physical models from digital designs, ideal for testing product concepts and functionality. This enables companies to streamline development and bring innovations to market faster.

3



## Mold Design & Mold Manufacturing

Synertek provides expert mold design and manufacturing services, ensuring precision and efficiency in every stage of the mold creation process. Our team uses advanced CAD tools and CNC machining to deliver high-quality molds tailored to exact specifications.

4



## Molding Trial

Synertek offers comprehensive mold and molding trial services for injection molds, tailored to a wide range of plastic materials such as Polypropylene (PP), Polyethylene (PE), Acrylonitrile Butadiene Styrene (ABS), Polyvinyl Chloride (PVC), and Polycarbonate (PC).

5



## Contract molding Production

Synertek provides contract manufacturing for injection molding, ideal for companies seeking reliable, high-quality plastic component production. With capabilities for high-volume runs and various plastic materials, Synertek's contract manufacturing helps clients streamline production, reduce costs, and meet market demand efficiently.



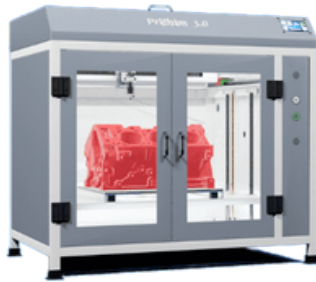
# Plant & Machinaries

## Product Development

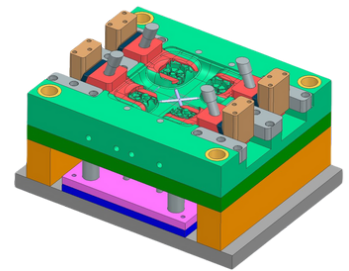
3D scanning



3D Prototyping



3D CAD CAM



## ToolRoom

CNC Machining



CNC Turning



Spark EDM



## Molding Production

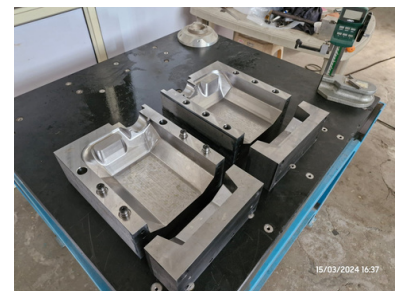
Injection molding



Injection Molds



Blow Molds



# Plant & Machinaries

## ToolRoom Machines

Machine	Machining Volume
CNC Milling (VMC)	600*500*500 (X*Y*Z)
CNC Turning	Dia 250/ 450 mm length bar
DRO Milling	1500 mm length
Grinding	600 mm length
Drilling	36 mm dia drilling
Riveting Machine	up to 15 mm dia rivets

## Molding Machines

Machine	Shot Capacity (grams in PS)	Tie Bar Distance (Mold Size)
60T Injection Molding	80 grams (PS)	315*315 mm
150T Injection Molding	283 grams (PS)	470*470 mm
200T Injection Molding	477 grams (PS)	510*510 mm
5L Blow Molding	Up To 5L HDPE	400 mm



# Plant & Machinaries





# Molds

