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Major Advantages of Custom Injection Molding at Abtec Inc.

Plastic injection molding is used to create a huge range of everyday products. One of the most popular methods for mass producing plastic parts, this technique continues to rise in popularity across diverse industries and applications.



High Efficiency and Quick Turnaround Times

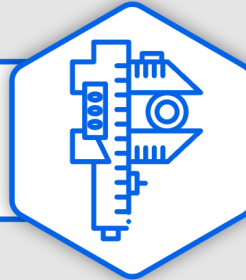
Plastic injection molding is one of the most efficient methods for producing plastic parts. Since periods between cycles can be as short as 15 seconds, more parts can be made. This high production output rate helps companies boost revenue and profit margins.

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High Accuracy for Complex Part Designs

Custom plastic injection molding allows for great design flexibility. Having a full understanding of customers' needs is imperative for ensuring proper product form and function. With years of industry experience and a dedication to close client collaboration, our team is able to determine the ideal design and material for customers' projects, and can begin work quickly on prototypes.



Wide Range of Material Options

Our team's deep expertise is invaluable when deciding on the ideal material for a part. Dozens of material options are available to meet specific application needs.

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Automation Capabilities

More and more aspects of the injection molding process can now be automated. Robotics automation allows repetitive actions to be carried out quickly and efficiently, without the risk of variation. Automation offers a range of unique benefits, including highly consistent, improved part quality, as well as reduced costs, less waste, and enhanced machine utilization.



Cost Savings

Plastic injection molding is cost-efficient thanks to streamlined operations and smoothly run production, passing the cost savings off to the customer.

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Endless Possibilities

With a huge range of design, material, and color options, nearly any kind of part can be created with the custom injection molding process.



Abtec also provides a number of secondary services, allowing for further customization. Popular services include milling, drilling, CNC machining, hot stamping, ultrasonic welding, heat staking and painting.