

THE RODON GROUP®

CUSTOM PLASTIC INJECTION MOLDING SPECIFICATIONS

Plastic Injection Molding General Capabilities:	<p>Custom Molding Solutions</p> <p>Design</p> <p>Manufacture</p> <p>Problem Solving</p> <p>Tool</p>
Product Capabilities:	Small Parts
Mold Process Type:	<p>All-Electric Molding Machine capability</p> <p>Rethink Robotics Baxter Collaborative Robot for stacking and packing</p> <p>Custom EOAT (End-of-Arm-Tool) creation</p> <p>Full Hydraulic Machine capability</p> <p>Full-Servo Robotics</p> <p>Hybrid Molding Machine Capability</p> <p>Injection</p> <p>Run any type of Hot-Runner System</p>
Equipment:	<p>Automated</p> <p>Microprocessor Controlled</p> <p>Robotic</p> <p>Self-Diagnostic</p>
Length:	Up to 10 in
Height:	Up to 10 in
Width:	Up to 10 in
Shot Size:	Fractional to 43 oz

Clamping Force:	46 to 400 t
Number of Cavities:	Prototype to 100 Above
Inspection:	Certified Mechanical Inspection Color Monitoring Physical Appearance Product Tolerances Spectrophotometer Vision Inspection Systems
Testing:	Gauges Multiple Light Source Booth Scales Surface Plates Tensile Strength
Quality:	Control Checks Documentation Quick Vision Inspection Systems Specifications Statistical Process Control (SPC) Charting
Additional Services:	3D Printing Capability Custom Packaging Design for Manufacturability In-House Design and Tooling Project Management
Production Volume:	500,000 parts and up
Lead Time:	4 to 6 weeks - smaller, up to 12 weeks- larger (Tooling) Just In Time (JIT) Parts shipped from stock to less than 2 weeks (Production) Safety Stock Program

<p>Material:</p>	<p>Acetal Acrylonitrile butadiene styrene (ABS) Commodity Resins Engineering Grade Glass Filled Nylon High Density Polyethylene (HDPE) High Impact Polystyrene (HIPS) High Temperature Low Density Polyethylene (LDPE) Nylon Others Polypropylene (PP) Polyvinyl Chloride (PVC) Thermoplastic Elastomers (TPE) Thermoplastic Rubber (TPR)</p>
<p>Industry Focus:</p>	<p>Bearings/Conveyers Caps/Closures Consumer Products Construction/Building Food/Beverage Lawn/Garden Medical/Pharmaceutical Office Products/Cabinets/Hardware Point of Purchase (POP) Displays Shower/Bath Products Window/Door Hardware</p>
<p>Intended Application:</p>	<p>Custom parts for various applications</p>
<p>Industry Standards:</p>	<p>Hazard Analysis and Critical Control Points (HACCP) Compliant International Organization for Standardization (ISO) 9001:2008 Occupational Safety and Health Administration (OSHA) Compliant</p>

Resin Certifications:	<p>Food and Drug Administration (FDA)</p> <p>Restriction of Hazardous Substances (RoHS)</p> <p>Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)</p> <p>National Sanitation Foundation (NSF)</p>
Efficiency:	<p>*99% In-process Recyclability</p> <p>Demand response program</p> <p>Landfill-Free Facility</p> <p>Lean Manufacturing</p>
File Formats:	<p>AutoCAD</p> <p>Drawing Exchange Format (DXF)</p> <p>Initial Graphics Exchange Specification (IGES)</p> <p>Joint Photographic Experts Group (JPEG)</p> <p>Portable Document Format (PDF)</p> <p>SolidWorks</p> <p>Standard for the Exchange of Product Model Data (STEP)</p>