



SANMINA

PLASTIC INJECTION MOLDING

HIGH PRESSURE, PRECISION MOLDING, TOOL DESIGN,
RESIN & ENGINEERING EXPERTISE



U.S. MANUFACTURING - COMPETITIVE GLOBALLY

Some of the world's best known OEMs trust Sanmina to produce their high tolerance plastic components cost effectively. Sanmina operates 70 plastic injection molding machines with capacities ranging from 28 to 1,000 tons. Our experienced tooling, process and resin engineers use a scientific molding approach for medical, industrial, defense, multimedia, computing & data storage customers. Sanmina also provides assembly operations in low, medium and high volume as well as electronics integration for a wide range of products.



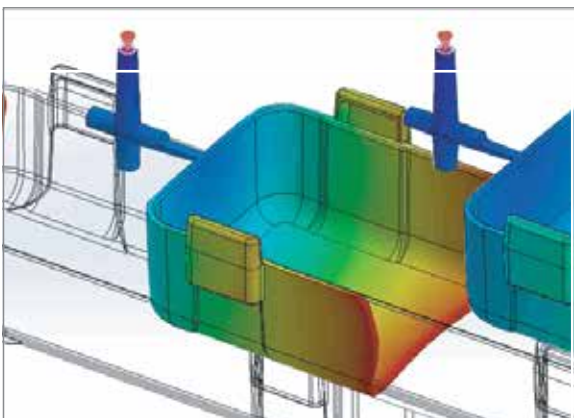
TOOLING AND MOLD SOLUTIONS

Our in-house team of engineers & machinists leverage tool makers based in the U.S. & Asia to design & deliver hundreds of class 102, 103 & 104 steel and aluminum tools each year. Proactive tool management & maintenance optimizes cost, performance & service life.



RESIN EXPERTISE

Sanmina's engineers have substantial expertise with a wide range of resins including commonly used polypropylene and engineered materials such as PEEK & Polyetherimide. We help customers with resin selection based on cosmetic requirements, strength, product life expectancy & regulatory compliance.



DESIGN FOR MANUFACTURING

Our experienced tooling, process, quality & resin engineers work concurrently using a scientific molding approach to develop cost effective, highly reliable manufacturing solutions. A mold flow analysis is used to scrutinize temperature, fill-rate & pressure optimizing quality & return on investment.

MANUFACTURING CAPABILITY

- 70 Presses, 28 – 1,000 Tons
- 0.5oz – 179oz Shot Size
- Single & Complex Multi-Cavity Tools
- Single Shot, Multi-Shot
- Over-Molding, Insert Molding
- Product Assembly
- ISO 9001, ISO 14001 Certified
- Low, Medium & High Volume



MEDICAL

High-mix, low-volume precision molding meeting the stringent requirements of the medical industry.



CONSUMER

Injection molding & assembly of high-mix low-volume consumer products.



INDUSTRIAL

Cost effective manufacturing solutions for industrial components and assemblies.



COMMUNICATIONS

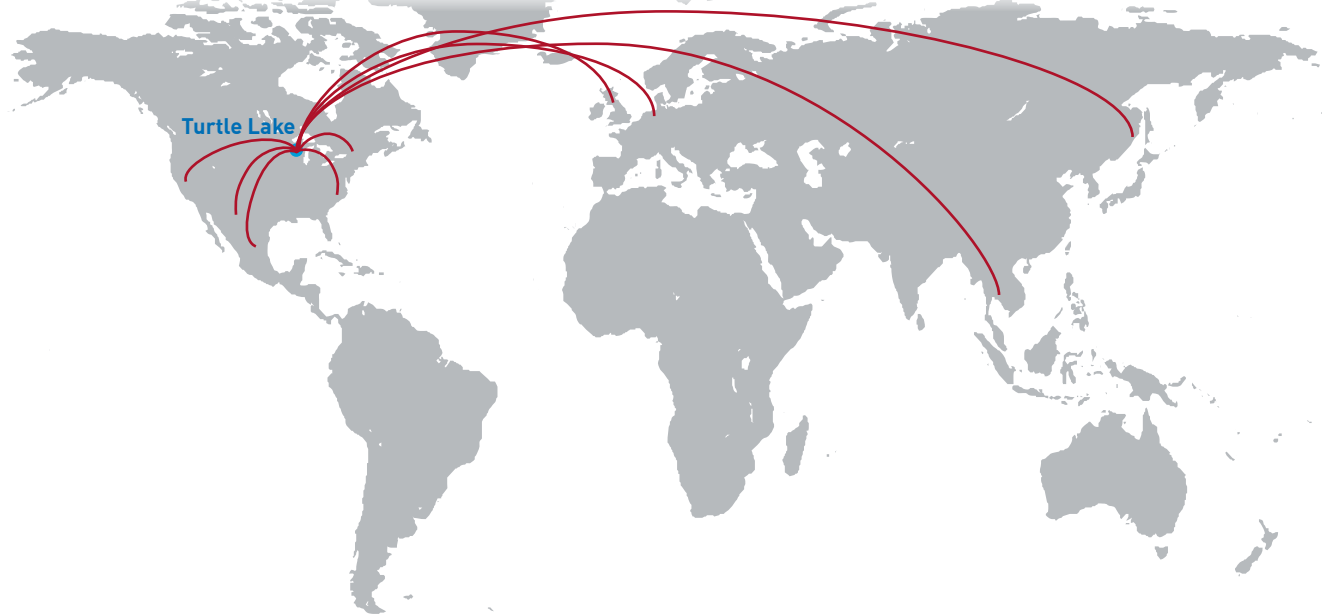
Unique technology delivering In mold labelling for communications & other industries.

AUTOMATION: HIGHER QUALITY, LOWER COST

Higher quality and lower costs are the direct result of Sanmina's expertise in manufacturing automation for injection molding & product assembly. An in-house engineering team designs, develops & programs automation solutions with vision systems, robots & scientific molding practices to minimize manual labor and improve process control. Sanmina developed a cost effective alternative to two shot molding using robotic automation to integrate two single shot machines.



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ABOUT SANMINA CORPORATION

Sanmina Corporation is a leading integrated manufacturing solutions provider serving the fastest-growing segments of the global Electronics Manufacturing Services (EMS) market. Recognized as a technology leader, Sanmina provides end-to-end manufacturing solutions, delivering superior quality and support to Original Equipment Manufacturers (OEMs) primarily in the medical, communications networks, defense and aerospace, industrial and semiconductor systems, multimedia, computing and storage, automotive and clean technology sectors. Sanmina has facilities strategically located in key regions throughout the world.

For more information, visit www.sanmina.com/plastics

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