

# Thermoplastic and TPE/TPU Injection Molding



With horizontal and vertical molding presses ranging from 28 tons to 500 tons, Parker's Medical Systems Division is capable of medium to high volume Injection and Insert molding of precision components with the following commercially available engineering materials:

- ABS
- ACETAL
- Acrylic
- EVA
- Nylons
- PEEK
- PETG
- Polycarbonate
- Polyethylene (LLDPE, LDPE,HDPE)
- Polypropylene
- Polystyrene
- PPO
- PVC
- PTFE
- TPE
- TPU
- Ultem



## Insert and Overmolding:

Along with high volume injection molding, Parker's Medical Systems Division offers OEMs medium to high volume insert and overmolding capabilities.

- Plastic inserts
- Metal inserts (wire, tubing needles)
- Organic rubber
- Silicone
- Suture thread

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**Medical Device Assembly:**

Parker's Medical Systems Division offers extensive medical molding, device assembly and fabrication capabilities in its ISO 13485 certified manufacturing plant with certified ISO Class 8 Cleanrooms.



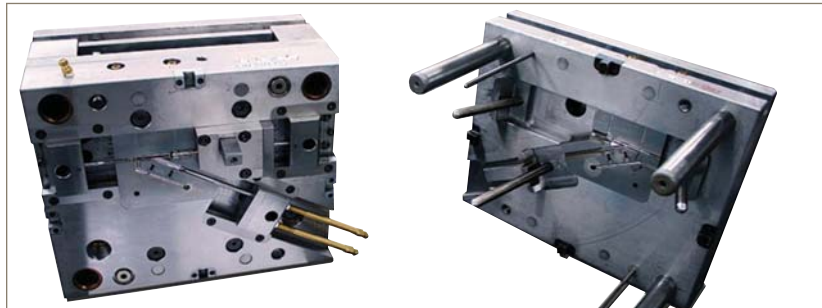
**Secondary Operations:**

Parker's Medical Systems Division routinely performs the following secondary operations:

- Annealing
- Custom packaging
- Mechanical assembly
- Milling
- Pad printing
- Silk screening
- Ultrasonic welding
- Custom packaging

**Prototype & Production Tooling:**

Parker's Medical Systems Division offers prototype and production tooling capabilities.



**Quality Assurance:**

Parker's Medical Systems Division operates under a fully documented quality assurance system per ISO 9001:2000 standards. We follow a strict mold validation protocol as well as all customer specifications and requirements.



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