



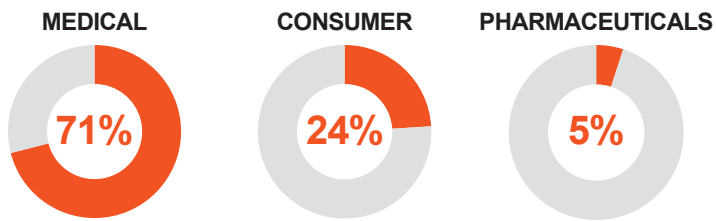
## WHO WE ARE

Tessy Tooling is a leader in precision mold tooling, specializing in injection and compression molds. Located in Erie, PA and privately owned, we've been serving the medical, pharmaceutical, consumer, and industrial markets since 1971.

## WHAT WE DO

We take a collaborative approach to mold engineering that results in world-class tool designs. Our on-site tool shop and team of 23 highly-skilled employees make us the ideal partners in creating the best in precision mold tooling.

## THE MARKETS WE SERVE:



## QUALITY

We complete 100% quality measurement & documentation, reported in a digital format with CPK analysis. This includes critical dimensions, shut-off surfaces, rotating or sliding fits, and gate diameters

## OUR CAPABILITIES INCLUDE:

- Product design and development (DFM/DFA)
- Prototyping
- Virtual molding evaluation and finite analysis
- Tool design and build
- End of arm automation design and build
- Prototype/pilot/production tooling
- High volume and high cavitation molds
- Stack molds
- Multi-action tools
- In-mold (assembly, closing, coining and labeling)
- Tight tolerance molds
- 2-shot and over-mold
- Metal Injection Molds (MIM)
- Unscrewing
- Conformal and 3D printed parts for optimal cooling
- Mold sampling and process qualification via SIM processes
- LSR, micro, cube, blow, and family molds

## CAD/CAM SOFTWARE:

- Solidworks
- Creo
- Visi
- Mastercam

## INSPECTION SYSTEMS:

- "AEI" North American 10x to 20x Stereo Microscopes with Polarizing Lens with Fiber Optic Lighting
- "MitUTOYO" Toolmakers Microscope with Digital Head
- "Titan" Stereo Microscope with Fiber Optic Lighting
- Optical Comparator "Legacy" Eicp 230A
- TF-510 "MITUTOYO" Toolmakers Microscope with Quadra check 2000

## HIGH VOLUME MANUFACTURING CELLS:

### Cell #1

(2) Sodick AG60L Sinker Edm's with a 3R work-master II including 12 work pallets and 128 electrodes

### Cell #2

(1) Yasda YMC430 CNC Micro center 5 axis mill  
(1)-Mikron HSM 500 MoldMaster 3axis mill with a 3R work-master II including 40 work pallets and 200 electrodes

### Cell #3

(1) DMG Mori Seki NMV3000DCG 5-axis mill with an AWC 34 pallet changing system  
Vertical Mills (4)  
(2) 5-axis vertical mills  
(1) "DMG Mori Seki" NMV3000DCG - 5-axis mill with AWC 34 pallet system and a 20,000 RPM spindle  
(1) "Yasda" YMC430 CNC Micro center 5 axis mill and a 40,000 RPM spindle

### Lathes

(2) live tooling  
(2) standard lathes

### EDM's

(3) Sinker  
(2) Wire

### Grinders

(1) "Amanda" MEISTER-G3UP CNC grinder, (1) "Dedtru" centerless  
(12) Manual Grinders, (2) equipped with "Dedtru's"

### Polishing -85% in-house

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