

TOMÁS HERRERA

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📍 Erie, PA

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SKILLS

- Molds
- Mold Maintenance
- Injection Molding Processes
- IQMS
- Micrometers
- Hand Tools
- Mechanical Aptitude
- Microsoft Excel
- Critical Thinking
- Teamwork Skills

CERTIFICATES

OSHA 10-Hour General Industry

OSHA Training Institute • 07/2022

SUMMARY

Mold technician with 4 years in injection molding and 2 years of part-time machine shop work, now maintaining tools for a 30-press custom molder. Tears down, repairs and rebuilds molds, checks wear with micrometers and pins, and logs every repair in IQMS. Strong mechanical aptitude, a feel for injection molding processes and critical thinking on repeat failures.

EXPERIENCE

Mold Technician

Presque Isle Mold & Plastics • Erie, PA • 09/2023 - Present

Custom injection molder of consumer and industrial parts running 30 presses on 3 shifts.

- Maintain and repair 140 active molds, completing preventive tool maintenance on schedule **98%** of the time.
- Rebuild ejector systems, slides and lifters with hand tools, cutting average mold repair time from 9 hours to 6.
- Measure cavities, cores and pins with micrometers and bore gauges, catching wear before it caused flash on 12 tools.
- Document repairs and spare parts in IQMS, building a shot-count history that now sets PM intervals.

Molding Technician

Bayfront Plastics Group • Erie, PA • 06/2022 - 08/2023

Molder of housings and closures for appliance and packaging customers.

- Installed and started molds on 15 presses, adjusting injection molding processes to clear short shots and sink.
- Reduced flash scrap 20% on 4 problem tools by polishing parting lines and clearing vents between runs.
- Tracked mold changeover times in Microsoft Excel and reviewed them with the toolroom lead each week.
- Replaced water lines and hot runner thermocouples as part of a 6-person setup crew.

Machine Shop Assistant

Susquehanna Tool & Die • Williamsport, PA

08/2020 - 05/2022

Part-time job at a die shop while in college.

- Operated manual mills and surface grinders to make mold components to 0.001-inch tolerances.
- Checked finished parts with calipers and height gauges before they went to the toolmakers.
- Organized the tool crib and reorder list for a 10-person shop.

EDUCATION

Associate of Applied Science

Pennsylvania College of Technology • Williamsport, PA

05/2022

Plastics and Polymer Technology