Owen Fairbanks

Mold Maker

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SUMMARY

Mold maker with 8 years in mold making and mold construction for injection-molded medical and consumer parts, from multi-cavity hot runner tools to prototype molds. Machines cores and cavities on CNC mills, sinker and wire EDM and surface grinders from CAD models. Repairs production molds fast, with 90% back in the press within 1 shift.

EDUCATION

Certificate 05/2018

Mount Wachusett Community College Gardner, MA

Machine Tool Technology

EXPERIENCE

Mold Maker 03/2021 - Present

Nashoba Mold and Tool Leominster, MA

Mold shop building and repairing injection molds for 25 plastics molders.

- Build 8 to 10 new injection molds a year, including **32**-cavity hot runner tools for medical closures.
- Machine cores, cavities and slides on CNC mills and sinker EDM from CAD models, holding 0.0002 in. on shutoffs.
- Fitted and polished parting lines and lifters, cutting first-shot tryout corrections from 4 rounds to 2.
- Repair production molds on site, returning 90% to the press within 1 shift.
- Troubleshot flash, short shots and sticking parts with molding engineers on 30 tools in 2025.

Apprentice Mold Maker 06/2018 - 02/2021

Twin City Plastics Fitchburg, MA

Custom injection molder with 40 presses and an in-house tool room.

- Operated surface grinders, manual mills and wire EDM in the tool room on mold components.
- Performed preventative maintenance on 60 production molds, cleaning vents and replacing worn pins.
- Measured components with micrometers, height gauges and indicators before final assembly of 20 new molds.

SKILLS

Mold Making • Mold Construction • CNC Mills • EDM • Surface Grinders • CAD Models • Mold Repair

Precision Measurement Tools • Tool Room Equipment • Troubleshooting

CERTIFICATES

NIMS Milling I

National Institute for Metalworking Skills

04/2018