Raymond Schultz

Tool and Die Maker

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SUMMARY

Journeyman tool and die maker with 9 years building and repairing progressive and transfer dies for automotive and appliance stampings. Works across milling machines, wire EDM and surface grinders, and designs die details in AutoCAD. Brings strong shop mathematics and knowledge of metal properties to tryout, troubleshooting and preventative maintenance.

EXPERIENCE

Tool and Die Maker

07/2021 - Present

Miami Valley Tool and Die — Dayton, OH

Tool shop building and maintaining dies for 3 stamping plants.

- Build and repair progressive dies up to 120 in. long, delivering **14** new dies on time in 2025.
- Troubleshot split, burr and misfeed problems at the press, lowering die-related downtime 30%.
- Machine punches, inserts and die sections on milling machines, wire EDM and surface grinders to 0.0002 in.
- Drew die details and repair sketches in AutoCAD, cutting wait time on engineering drawings by 2 days.
- Set up a preventative maintenance schedule for 60 production dies, raising hits between repairs 40%.

Apprentice Tool and Die Maker

06/2017 - 06/2021

Gem City Stamping — Dayton, OH

Metal stamping plant with 18 presses from 200 to 800 tons.

- Completed an 8,000-hour registered apprenticeship in die build, repair and press tryout.
- Selected tool steel grades by metal properties and wear needs, then hardness tested 200+ heat-treated details.
- Repaired 10 to 15 damaged dies a week with welding, grinding and shimming.

SKILLS

Progressive Dies

Milling Machines

Wire EDM

Surface Grinders

AutoCAD

Shop Mathematics

Metal Properties • Welding

Preventative Maintenance

Troubleshooting

EDUCATION

Certificate

05/2020

Sinclair Community College

Dayton, OH

Tool and Die Technology

CERTIFICATES

Journeyworker Tool and Die Maker

U.S. Department of Labor Registered Apprenticeship

06/2021