Daniel Kowalski

Industrial Design Engineer

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SUMMARY

Industrial Design Engineer with 4 years of experience turning industrial design concepts into producible power tool and outdoor equipment parts. Builds Creo and SolidWorks models with GD&T drawings, runs tolerance analysis and design for manufacturability reviews, and tests 3D printed prototypes. Works between designers, engineers and suppliers so design intent survives into tooling.

EXPERIENCE

Industrial Design Engineer

01/2024 - Present

Lake Michigan Tool Works

Milwaukee, WI

Power tool manufacturer with 1,900 employees.

- Convert industrial design surfaces into Creo production models for **8** cordless tools, including drills and grinders.
- Produce GD&T engineering drawings for 140 plastic and die-cast parts with zero tooling holds.
- Run tolerance analysis on housing stacks, cutting gap and flush complaints in pilot builds by 60%.
- Lead design for manufacturability reviews with 4 injection molding suppliers before each tool kickoff.

Product Development Engineer

06/2022 - 12/2023

Badger Outdoor Power

Waukesha, WI

Lawn and outdoor power equipment maker.

- Modeled 30 deck, handle and cover parts in SolidWorks for a walk-behind mower line.
- Printed and tested 45 prototypes for fit and grip, logging results for designers and engineers.
- Updated BOMs and change orders for 2 product launches across 3 assembly plants.
- Rendered design options in KeyShot for monthly program reviews with marketing.

SKILLS

Creo • SolidWorks

GD&T • Tolerance Analysis

Design for Manufacturability

Injection Molding

3D Printing • Prototyping

KeyShot

Engineering Drawings

EDUCATION

Bachelor of Science

05/2022

Milwaukee School of Engineering

Milwaukee, WI

Mechanical Engineering

CERTIFICATES

Certified SOLIDWORKS Professional (CSWP)

Dassault Systemes

02/2023