

Nathan Eastell

Email Nathaneastelldesign@gmail.com
Phone (+44) 07432041792

Profile A creative and technically driven Industrial Designer with over a decade of experience developing innovative products from concept ideation to mass manufacture. An expert in combining industrial design, mechanical engineering, and DFM principles to deliver commercially successful products. Proven track record working with global clients, collaborating within multidisciplinary teams, and delivering high-quality design solutions on time and within budget.

Experience **Designworks - Windsor UK & Brisbane, Australia** **June 2022 – April 2026**
Senior Industrial Designer / Mechanical Design

Award-winning product design and manufacturing consultancy delivering consumer and commercial products for leading global brands.

- **Led industrial and mechanical design** across multiple **new product development (NPD) programs**, delivering products from concept through to production.
- **Managed full product development lifecycle** including concept design, prototyping, engineering validation and manufacturing release.
- **Presented design reviews and development milestones to clients** ensuring alignment on product strategy, design intent and feasibility.
- **Applied DFMA / DFM principles** to improve manufacturability, reduce tooling complexity and support scalable production.
- **Defined CMF strategies** aligned with brand identity, usability and manufacturing constraints.
- **Sourced and coordinated global manufacturing partners** improving production feasibility and cost optimisation.
- **Delivered products within highly regulated environments** ensuring compliance with safety standards and industry regulations.
- **Led multidisciplinary collaboration** across industrial design, mechanical engineering, UI/UX, model making and manufacturing partners.
- **Developed project proposals and design briefs** by translating client objectives into structured deliverables and milestones.
- **Mentored junior designers** strengthening team capability in CAD modelling, product development processes and design communication.

Zumtobel Group / Thorn Lighting – Durham UK **Feb 2021- June 2022**
Mechanical Design Engineer

Global leader in professional architectural lighting solutions.

- **Migrated legacy CAD systems from SolidWorks to Creo** remodelling assemblies and releasing validated production components.
- **Designed and released mechanical components and assemblies** for commercial lighting product platforms.
- **Improved product reliability and manufacturability** through targeted component redesign and engineering optimisation.
- **Reviewed and approved tooling** to ensure manufacturing quality and alignment with engineering intent.
- **Collaborated within multidisciplinary engineering teams** to deliver new lighting products and technical improvements.

MiniFAB - Melbourne Australia (4 Month Contract) **Jan 2020 – April 2020**
Product Design Engineer

Microfluidic and point-of-care medical device developer.

- **Designed injection-moulded microfluidic components** for medical diagnostic cartridges and point-of-care testing systems.
- **Developed product concepts from functional specifications** provided by multidisciplinary medical device teams.
- Conducted **FMEA risk analysis** to improve reliability and reduce design failure risks.

- **Refined CAD models for diagnostic cartridges** by optimising geometry for tooling and microfluidic performance.
- **Designed jigs and fixtures** supporting testing, assembly and development workflows.
- Performed **DFM analysis on client CAD** by recommending design improvements for tooling and scalable manufacture.
- **Led technical discussions with clients** presenting design feedback and engineering recommendations.

Martech – Dewsbury UK
Product Design Engineer

Aug 2014 – May 2019

Joined as a **Graduate Design Engineer** and progressed into the **New Product Development team** delivering OEM lighting products.

- **Delivered end-to-end NPD projects** for luminaire products from concept development through production.
- **Developed and presented product concepts** supporting internal design reviews and product strategy decisions.
- **Customised and redesigned OEM products** to meet client-specific technical and application requirements.
- **Created and managed Bills of Materials (BOMs)** supporting production planning and cost management.
- **Validated designs through prototyping, model making, and 3D printing** prior to tooling release.
- **Managed local and international suppliers** by coordinating component sourcing, quoting and manufacturing feasibility.
- **Oversaw first-article inspection and quality checks** for newly manufactured components.
- **Resolved component and manufacturing issues prior to mass production** by reducing development risk.
- Worked within **ISO 9001 quality management systems** ensuring documentation and product quality compliance.
- **Managed multiple concurrent product development projects** within tight engineering timelines.

Education	University of Huddersfield, BA Product Design (2:1)				Sept 2011 – June 2014
Programs	Solidworks	CREO	Adobe	Microsoft Office	Keyshot
Manufacturing	Injection Moulding	Casting	Extrusion	Sheet Metal	Composites
Skills	Front end development	Concept generation	DFM	Problem solving	CAD Modelling
	Prototyping and model making	Idea Proving	Independent and team working	Manufacturing drawings	GD&T
Hobbies	Snowboarding	football	Travel	Gaming	Exercise