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- Founded in 2007, DARKON is a leading Australian manufacturer and supplier of architectural lighting solutions. With a dedicated team of 60, we excel in designing and producing high-quality lighting products, including extruded aluminium profiles, architectural downlights, decorative lighting, and custom solutions. As a 100% Australian-owned company, DARKON serves various sectors—commercial, government, residential, retail, health, and education. Our reputation for innovation and quality is highlighted by projects like the Flinders Street Railway Station facade, Melbourne Airport T2, and premium office fit outs for Tier 1 commercial clients.

Amid growing import competition, DARKON differentiates itself with a unique product range and energy-efficient solutions. Our short lead times, exceptional service, and on-site support address the risks of imported products, delivering reliable and superior outcomes.

Operating from a 4,665m² purpose-built facility completed in 2021, our skilled workforce is central to our commitment to continuous innovation. DARKON is also the exclusive Australian distributor for LUMASCAPE and HEPER.

MANUFACTURING CAPABILITIES

At DARKON, our commitment to excellence is the outcome of long and continuous investment into our plant, and our many machinery acquisitions are what have resulted in our state-of-the-art manufacturing capabilities. Operating from our purpose-built 4,665m² facility, we pride ourselves on maintaining complete control over our production processes, ensuring precision, quality, and efficiency. Our facility is equipped with a sophisticated suite of CNC machinery, enabling us to manage every aspect of our manufacturing in-house. This includes:

Laser Cutting Machines:

Bodor Fibre 2000 Watt — High-power metal laser cutter for precise metal cutting.

Bodor 150 Watt — Laser cutter and etcher for detailed plastic components.



CNC Machines:

Haas Supermini Mill 2 — CNC drill/mill centre for intricate machining.

Haas DM-2 — Versatile CNC drill/mill centre for high-speed operations.

Haas ST30SSY — Lathe with live tooling for advanced turning operations.

Emmegi Precision RS — Twin head CNC up-cut saw for precise cutting.

Emmegi Phantomatic M3 — Profile machining centre for accurate profile processing.

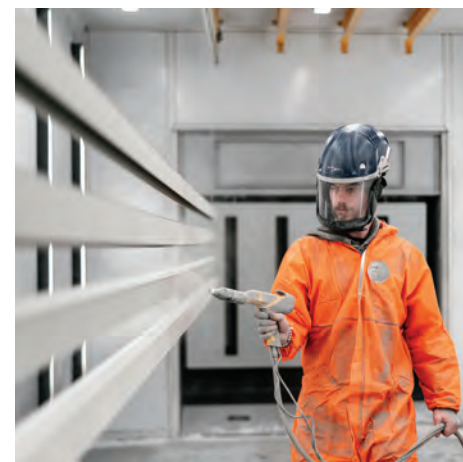
Elumatec SBZ122 — Advanced profile machining centre for detailed profile work.

Haco EuroMaster-S30150 — 150-tonne CNC press brake for shaping and bending.



Additionally, our in-house Batch Powder Coat Plant is equipped with closed-loop pretreatment tanks and a demineralised water plant. This setup eliminates the need to treat or dispose of effluent from the pretreatment process, underscoring our commitment to environmental sustainability.

By keeping all our processes in-house and utilising advanced machinery, DARKON ensures superior quality control and responsiveness, while minimising environmental impact and maintaining our dedication to short lead times and augmented production control.





MANUFACTURING CAPABILITIES CONT

Manufacturing Processes and After-Sales Service

At DARKON, our dedication to superior quality extends beyond our advanced machinery and in-house capabilities to encompass our innovative fabrication processes and exceptional after-sales service.

Advanced Fabrication Processes:

Powder Coating: Our environmentally friendly batch powder coating system includes a non-heavy metal / chromate pretreatment process and a closed-loop water treatment plant, which ensures zero wastewater discharge. Additionally, resin stacks are regenerated annually, promoting sustainability and reducing waste.



Laser Welding: Utilising laser welding technology allows us to achieve precise results with less heat, minimising warping and improving penetration. This method is faster, more efficient, and consumes less power compared to traditional welding techniques.



Fiber Optic Laser Cutting: Our powerful fibre-optic laser cutting technology enables us to achieve high-precision cuts in metals. We are also transitioning to high-pressure air cutting, which is more efficient and environmentally friendly compared to nitrogen-based methods.



Silicon Over-moulding: We are excited to introduce our new silicone over-moulding machine by the end of the year, enhancing our ability to provide custom solutions with superior quality.

Exceptional After-Sales Service: Our commitment to our clients extends well beyond the initial sale. DARKON stands out with our robust after-sales support, including a specialised team of licensed 'A-Grade' electricians who are available to assist with any field issues that may arise. This proactive support ensures that our clients receive ongoing assistance and peace of mind, setting us apart from other suppliers.



At DARKON, we pride ourselves on maintaining the highest standards across all facets of our operations, ensuring that every project benefits from our cutting-edge technology and dedicated service.

