



DESIGN AND  
MANUFACTURING

 FULLY  
EQUIPPED



# A LEGACY OF STRENGTH

At Fully Equipped, we've been designing and manufacturing vehicle accessories in New Zealand for over 30 years. What began with hand-built moulds has evolved into a state-of-the-art operation that competes on the global stage - yet we still build with the same care and attention that defined our beginnings.

From our Hamilton headquarters we produce the Crown Canopy and Tuf Dek Liner range. While our foundation was built in the New Zealand market, our reputation now extends across fleet, trade, and recreational customers

worldwide. Crown Canopies are trusted by national fleet operators for their light-weight strength, reliability, and compliance, and are equally popular with lifestyle users seeking both form and function.

Across New Zealand, Crown Canopies are distributed through our national Fully Equipped network, which provides installation expertise and after-sales support. International customers benefit from the same commitment to service and supply reliability.

## Design Precision

Every canopy begins with accuracy. Using laser scanning, we capture exact vehicle dimensions and create a detailed virtual model. Our design pathway incorporates 30 years of expertise and the latest 3D design software to ensure every specification is considered before production begins. Nothing is left to chance.

## Advanced Manufacturing

Our facilities integrate technology rarely seen in our field: robotic trimming, five-axis CNC machining, live materials monitoring, and live temperature control.

## Real-Time Control and Reliability

To manage output and consistency, we've developed proprietary control software that schedules production, tracks inventory, and monitors quality in real time. Each workstation feeds data directly into the system, ensuring full transparency. This allows us to stay on track, meet deadlines, and deliver with confidence - every time.

## Engineering Strength

Our composite formulation blends reinforced polyester resin with long-strand glass fibres, delivering strength without unnecessary weight. Load-bearing areas are strategically reinforced to handle real-world stresses.

The Crown Canopy DNA is built on a high-strength composite shell with an integrated base rail. This construction anchors the canopy securely while eliminating the need for internal framing, creating more usable space and a clean interior finish.

Independent testing confirms a certified 100kg roof load capacity, in compliance with AS 1235:2000 standards.

Handles, latches, and windows are continuously refined, with recent innovations including flush glass and solid-side window options. It is this ongoing focus on detail that differentiates Crown Canopies in the market.

## Commitment to Quality

Every canopy is manufactured under a process of rigorous control - tracked from moulding through curing, trimming, painting, and final assembly. Each unit undergoes inspection and performance testing before leaving our factory.

## Latest Innovations

Reusable Silicone Bag Moulding (RSBM) is a hybrid composite manufacturing process that combines the best of open moulding and resin transfer moulding. By using a durable silicone vacuum bag, we achieve:

- Consistent thickness and laminate quality.
- Improved structural integrity through reduced voids and porosity.
- A safer, cleaner workplace with lower VOC emissions.
- Weight reduction of up to 30% compared to traditional methods.
- Lower material waste and improved energy efficiency, directly supporting stronger sustainability performance.

This innovation enhances repeatability, reduces environmental impact, and ensures each canopy meets the highest performance, compliance, and sustainability standards.

## Our Promise

Fully Equipped is significantly invested in New Zealand manufacturing and in the people who deliver our products. We don't just make canopies - we provide solutions that transform vehicles, enhance productivity, and deliver reliability to fleets and individual users alike.



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