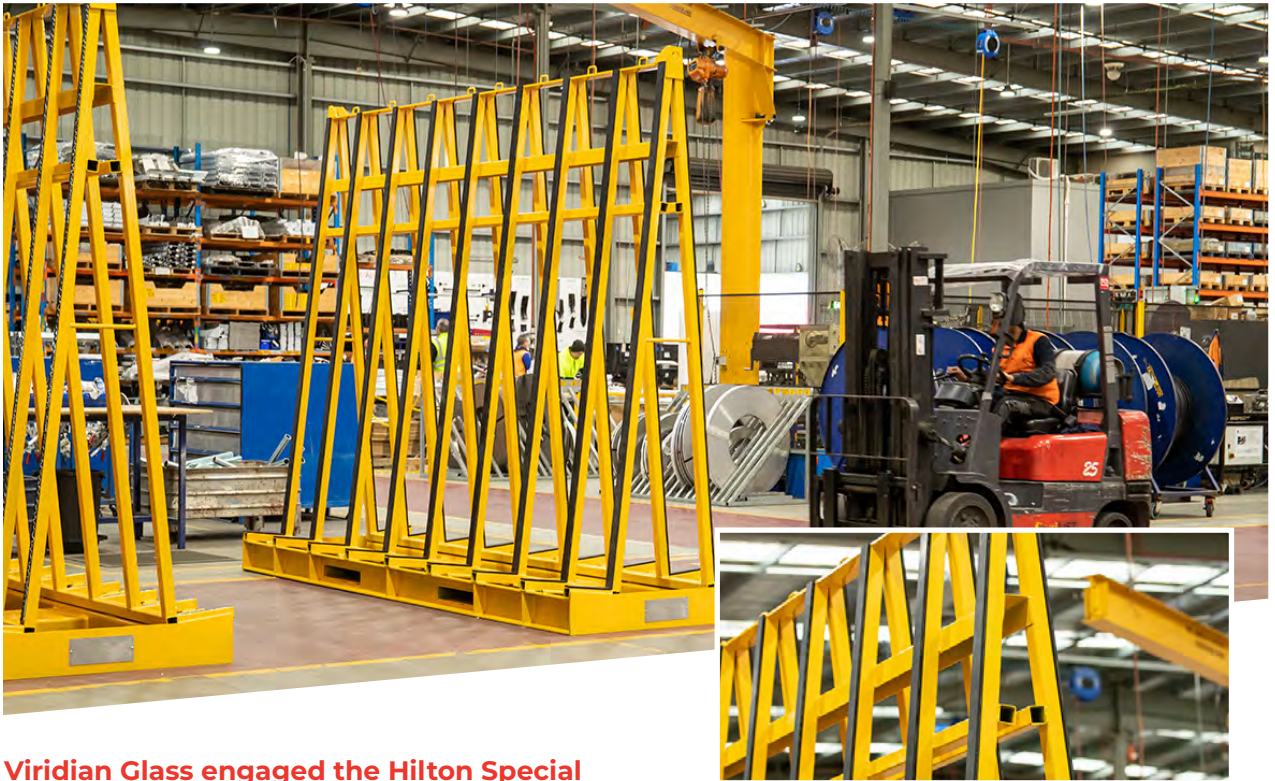


Case Study 2

Hilton Special Projects



Viridian Glass - Storage and Transport Solution



Viridian Glass engaged the Hilton Special Projects team to generate an engineered solution for their largest ever glass transport 'A' Frame. With the cost of shipping and logistics ever increasing it was crucial for Viridian to be able to move larger quantities of glass by weight and cross-sectional area, in a single shipment, to improve efficiencies and remain competitive in today's Global marketplace.

Key Processes Employed

Project Management
Costing and Procurement
Engineering Design & Development
CAD Modelling and Drafting
Advanced Stress Analysis (FEA)
Laser Profiling, Press-Brake Bending, MIG
Welding, Two Component Painting,
Elastomer Bonding,
Final Assembly, Certification, Shipping

The Hilton project team worked with Viridian Engineers to establish a definitive product specification that posed some significant challenges in the areas of strength, weld deposition, materials technology, and close tolerances of form & position. Strength issues were resolved by advanced stress analysis using the finite element technique. Our ISO3834 certified welding supervisors created detailed weld procedures and the qualification testing of these procedures. Hilton's extensive experience of bonding elastomers to metallic components negated the materials concerns in this area. Viridian's requirements on very close tolerances was achieved by developing and manufacturing in-house complex jigs and fixtures for welding and assembly.

To discuss your next special project contact our Engineering Team today

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