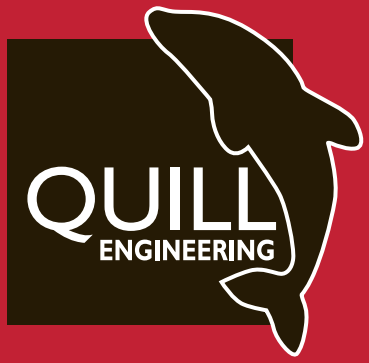

QUILL
ENGINEERING

BESPOKE ENGINEERING

STORAGE UNIT FOR MANUFACTURING FIXTURES

Brief: To produce a storage unit that protects manufacturing fixtures from damage. The units must also comply with the relevant Health and Safety Lifting Regulations.

Outcome: During the design process it was important to take into account the amount, size, weight and orientation of the fixtures in order for the storage facility to be easy and safe to use. Quill Engineering delivered a solid robust set of units which protected the manufacturing fixtures and improved the customer's organisation and space within their working environment whilst also complying with the necessary Health and Safety Regulations.

BESPOKE ENGINEERING

INSPECTION TURNTABLE

Brief: To produce a table which allows operatives to rotate components in a 360 degree circle for the inspection, cleaning or painting of parts.

Outcome: An inspection turntable was designed, developed and built using components that were lightweight (for mobility), durable (for longevity) and easily cleaned (for maintenance).

HEADLINE

BESPOKE ENGINEERING

TRANSPORTATION SYSTEM FOR MANUFACTURED COMPONENTS

Brief: To design, produce and build a system that was capable of protecting, transporting and rotating specialist components safely. The system also had to comply with the relevant Health and Safety Lifting Regulations.

Outcome: The trolleys were designed and built using specialist materials that were used to ensure no metal to metal contact occurred between the system and the components. In addition rotational bars were positioned carefully on the trolley which allowed for the easy inspection of parts by operatives. The transportation system improved the customer's organisation and space within their working environment whilst also complying with the necessary Health and Safety Regulations.

BESPOKE ENGINEERING

LIQUID NITROGEN STATION

Brief: To produce a lockable storage facility for liquid nitrogen and its associated personal protective equipment (PPE).

Outcome: A strong yet lightweight and portable cupboard with specialist liquid nitrogen instructions for use was produced and installed at the manufacturing facility which complied with all the necessary and relevant Health and Safety Legislation.

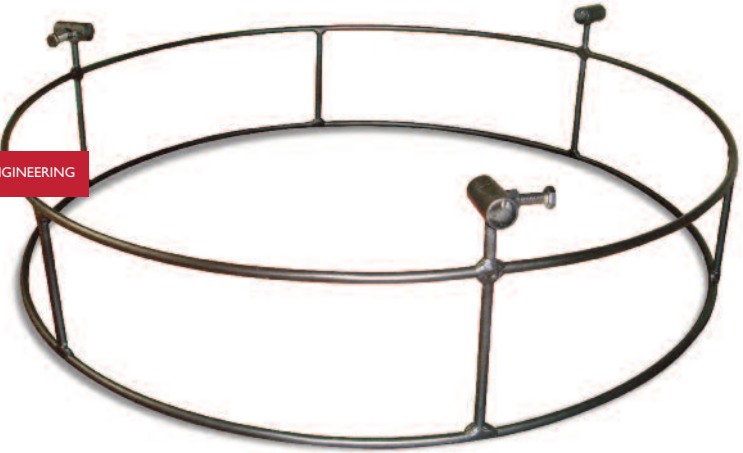
BESPOKE ENGINEERING

MOBILE VISUAL DISPLAY UNITS

Brief: A system was needed to display Key Performance Indicators (KPI's) for staff within their work areas.

Outcome: Quill Engineering produced a system that stored, displayed and through the installation of a white board allowed for instant changes of information to be made in one compact, robust mobile unit.

BESPOKE ENGINEERING



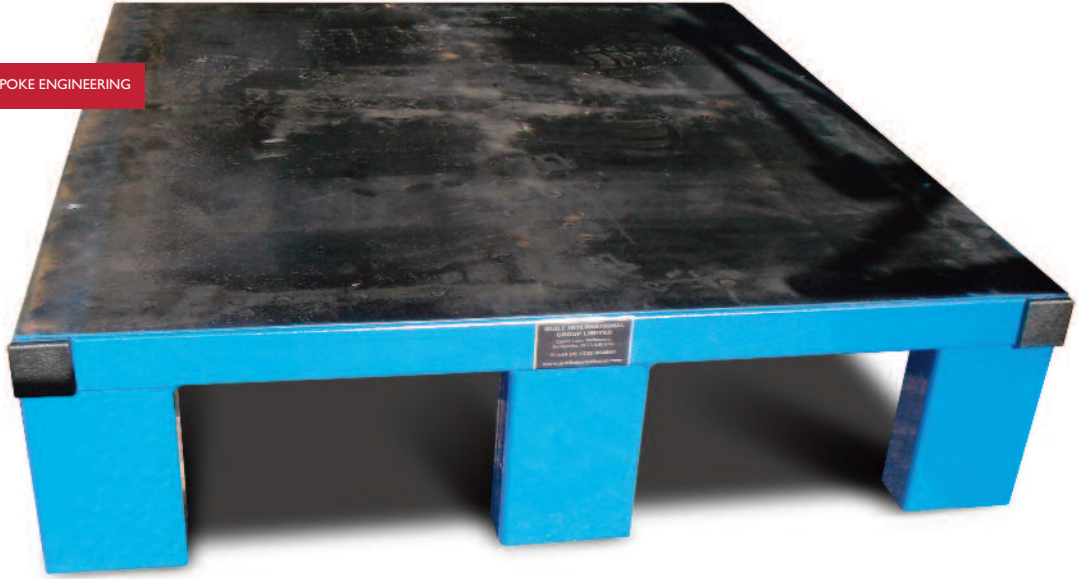
BESPOKE ENGINEERING

PAINT STANDS

Brief: To design, develop and produce a structure which could support components during the painting process. The stand had to allow operatives 360 degree access to all components.

Outcome: Quill Engineering produced a range of bespoke paint stands tailored to hold a wide variety of components safely during the painting process. The paint stands were also made to be compatible with Quill Engineering's Inspection Turntable's thereby allowing operatives to rotate the painted components through a full 360 degrees to ensure completeness of finish.

BESPOKE ENGINEERING



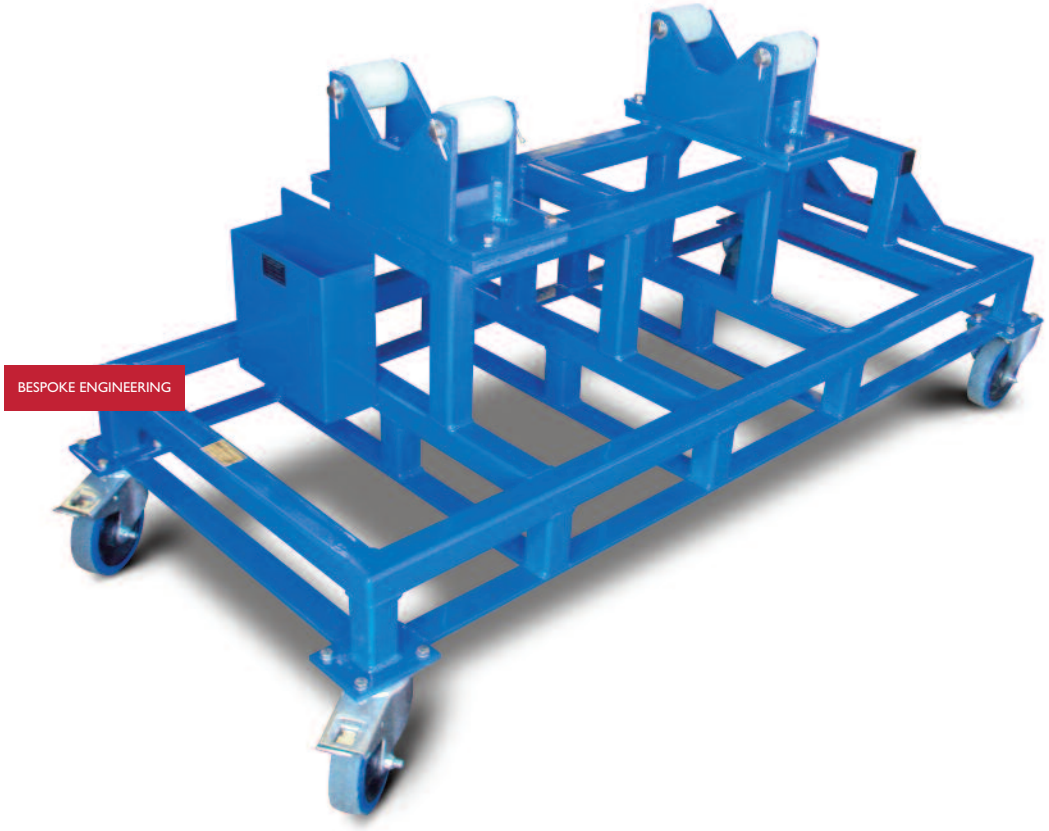
BESPOKE PALLET FOR CRITICAL PARTS

Brief: To produce a system for the safe transportation of critical parts. The system needed to avoid metal to metal contact and be able to withstand high oven temperatures.

Outcome: Quill Engineering devised a unique bespoke pallet which used a combination of various specialised coatings which would withstand high temperatures and avoid metal to metal contact between the pallet and the critical part during transportation. The customer was delighted with the outcome and now orders this product in a wide variety of different dimensions.

HEADLINE

BESPOKE ENGINEERING



SHAFT INSPECTION AND TRANSPORTATION TROLLEYS

Brief: To design, produce and build a system that was capable of transporting specialist shafts safely. The system needed to be able to withstand oven temperatures and also needed to rotate the shafts whilst on the trolley for inspection purposes.

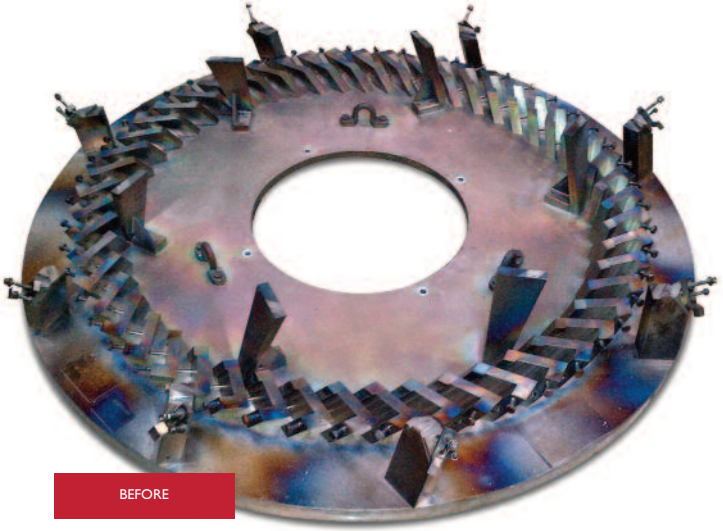
Outcome: The trolleys were designed, built and employed making operators lives easier and safer in the inspection and delivery of shafts. Specialist coatings and materials were used in the construction of the trolleys which ensured no metal to metal contact occurred between the shafts and the trolley itself. In addition rotational bars were positioned carefully on the trolley which allowed for the easy inspection of parts by operatives.

BESPOKE ENGINEERING

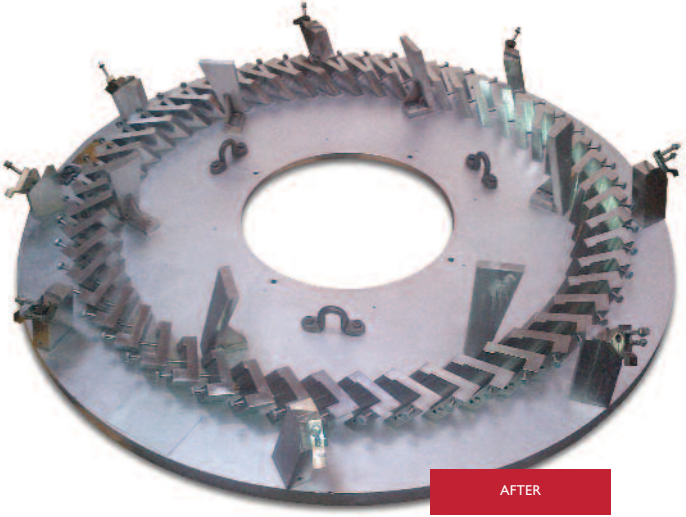
OVEN TROLLEY WITH REMOVABLE TRAY

Brief: To produce a safe, robust system for the loading and unloading of parts into an industrial oven.

Outcome: A specialist bespoke trolley was made with a separate removable robust metal tray which could be slid via a set of rollers into and out of industrial ovens. The oven trolley improved operator safety and consequently our customer saw a marked improvement in Health and Safety Standards.



BEFORE



AFTER

RAPID SPECIALIST FIXTURE CLEANING

Brief: To completely clean specialist fixtures without leaving a residue or profiling the surface.

Outcome: What was previously taking the company days to clean, Quill Engineering managed to achieve better cleaner results in minutes. Fixtures were collected, cleaned and returned to site within the same day thereby preventing expensive delays in production for the customer.

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