



Axle Storage to enable space saving and high visibility of parts

The Challenge

Ferrartis were asked by a client to design and manufacture a free standing storage unit to accommodate 8 train axles that needed to retain its stability when unevenly loaded. Further requirements were that the frame should offer protection to the axle at the contact points, provide ease of access to remove each axle individually and increase the storage capacity of the warehouse facility.

The Solution

The design of the storage unit was based around a robust "A" frame construction that incorporated polypropylene protection pads on each arm where the axle would be located. The frame can be made in different sizes to suit the client's needs so that a range of axles can be stored using the same frame design concept.

Space Saving / Utilisation

Safety Improvements

Cost Reductions

Environmental Savings

Asset Protection

The Result

The elimination of traditional pallets for the storage of only 2 axles to the use of the "A" frames that hold 8 axles increased the storage capacity by 4 times. In addition, the visual management of the stock was significantly improved and the picking of an axle for use in manufacture was faster and simpler.



**SAVING OF
STORAGE SPACE**



**REDUCTION IN
WAREHOUSE COSTS**



**REDUCTION IN
LABOUR TIME TO PICK**

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