

RAIL CARRIAGES

Australian Rollforming Manufacturers manufactures key components for the VLocity passenger trains as part of the Victorian Government's Regional Fast Train project.

The components manufactured by Australian Rollforming Manufacturers included cant rails, corrugated roof panels, side sill assemblies, corrugated side walls and underframes.

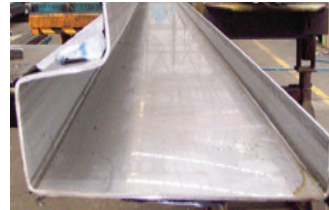
Rollformed from various grades of stainless steel in Australian Rollforming's manufacturing facility in Dandenong, Victoria, these components are supplied to various rail carriage builders who assemble the carriages.

Thicknesses ranged from 1.2mm for the outer wall panels; 2mm for the corrugated roof panels and floor underframe; 4mm for the cant rails, and 6mm for the side sills. The components were up to 25 metres in length, therefore straightness of the panels and being free of any bowing were critical.

Manufacturing tolerances were very tight, with many being down to $\pm 0.5\text{mm}$, and adherence to these tolerances was essential as each component went to a robotic welding process as part of the overall assembly process.



Cant Rails



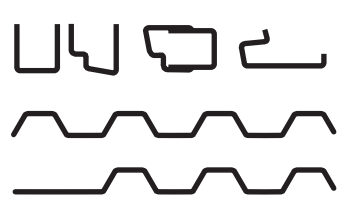
Roof & Wall Panels



Side Sills



Assembled Wall Panels



Australian Rollforming is able to deliver finished components to spec, on time and in the required quantities in accordance with our client's demanding build schedules.

Australian Rollforming manufactures a number of key components, including cant rails, roof and wall panels, side sill assemblies, and under frames, for all types of rail passenger carriages including light and heavy rail, tram and monorail vehicles.

Australian Rollforming Manufacturers is a custom metal rollforming specialist, with the capability to rollform an almost infinite number of profiles in a wide range of metals.

Contact us to discuss your requirements.