

Case Study – Air Film Technology

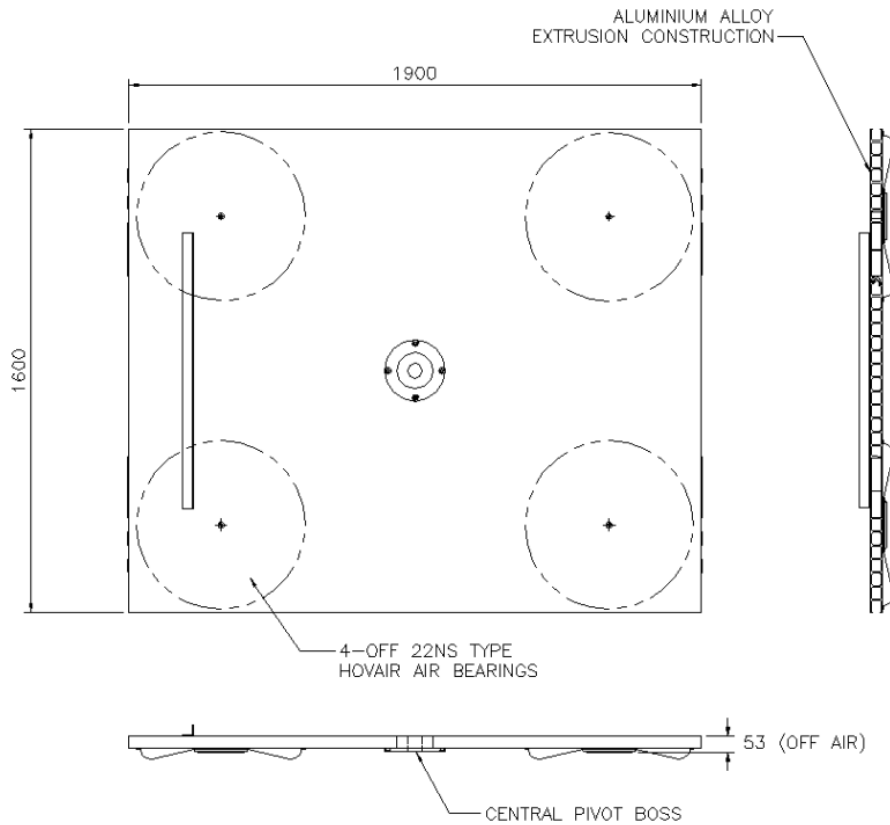


Client: Rockwool Limited, Bridgend

Synopsis: The UK's leading manufacturer of mineral wool insulation for thermal, fire and acoustic protection uses a Hovair lightweight transporter in its production process. The 8 tonne capacity unit, a TPAL4-22, is fabricated from lightweight aluminium alloy extrusion and has a very low profile of just 53mm when off air.

The transporter is used primarily as a lightweight and portable turntable made possible by the omni-directional capability of the air bearings. A built-in machined bush at the centre on the transporter locates onto a pivot point on the factory floor. When the transporter is on air the customer can perform their process-head rotation as required and stop the air when the head is in the correct orientation. When it is no longer needed the transporter/turntable is picked up and stored out of the way.

Transporter Specification



Construction: Aluminium construction with machined steel boss

Length: 1.9 metre **Width:** 1.6 metre

Height: 53mm (off air) **Capacity:** 8 tonnes

Control: Ball valve on/off with individual flow control valves for the bearings.

Features: Low profile and lightweight construction, centrally mounted machines boss.