

Hovair® Air Film Transporters

movetech uk

MOVEMENT TECHNOLOGY ACROSS COMMERCE AND INDUSTRY

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Since its acquisition of Hovair® Systems, Movetech UK has continued in-house design and manufacture of standard and bespoke air film movement solutions.

Movetech UK air film transporters are the ultimate solution for moving heavy loads. They are versatile enough to be used as basic materials handling equipment - moving loads from A to B or in production flow lines where build stages are required. Hovair® transporters provide innovative and cost-effective solutions for manufacturing environments.

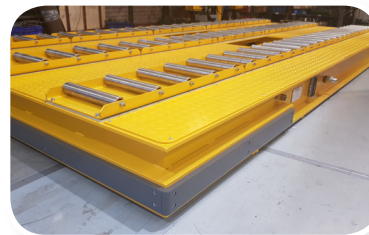
Applications include:

- The safe handling of nuclear material
- The production of large aero-engines and wings
- Moving electrical transformers
- Refurbishing railway locomotives
- Transporting steel or paper coils

Hovair transporters allow loads to be moved in any direction, at any angle and can rotate on the spot like a turntable. They are ideal for hazardous environments as they are air powered and do not require an electrical supply. The air bearings are also an ideal alternative to wheels in clean environments, such as those required in a laboratory.

Hovair transporters float heavy loads on a film of air. Options range from lightweight aluminium transporters with handlebars, to more sophisticated units using multi-circuit pneumatic systems and low air consumption/high torque drive units.

HOVAIR
MOVEMENT SOLUTIONS



Typical Loads

Typical loads range between 1 and 100 tonnes, however any size and weight of load can be accommodated. Maintenance is minimal and Hovair air bearings have a normal working life of many years.

Typically, the transporter is a structural steel low profile platform fitted with Hovair air bearings and is designed to suit customer requirements.



Visit our dedicated Hovair® website:
www.hovair.co.uk



Scan QR code or visit our **YouTube** channel to watch a wide range of product videos:
www.youtube.com/MovetechUK

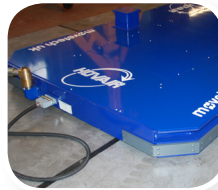
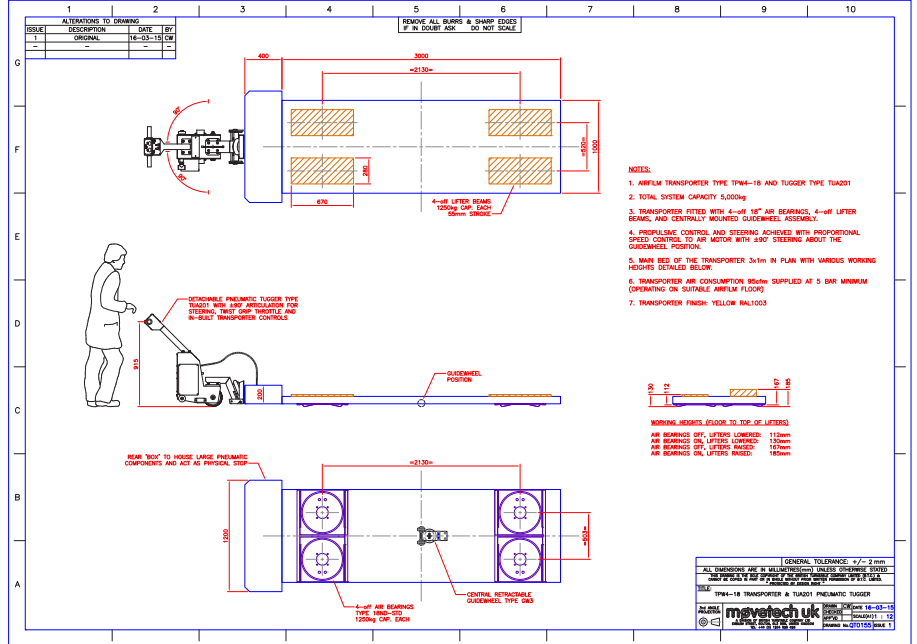
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Typical Air Film Transporter Layout

Four or more air bearings are fitted to the underside of the transporter, the number, size and arrangement being dependent on the load. Using compressed air, the abrasion resistant urethane diaphragm inflates to lift the transporter clear of the floor; air escapes from the perimeter of the air bearing, creating a thin film of air to virtually eliminate friction.

Supplied with compressed air from a standard factory air main (6bar/90psi) the transporter can be moved in any direction with very little effort. Typically, 50 kg of horizontal force can move a 10,000 kg load.

In order to operate successfully, the transporter must have a paper-smooth floor to work on, free of steps and cracks. Typically, a smooth power-trowelled concrete floor or an epoxy resin screed is an ideal surface, allowing the transporter to move freely in any direction with minimum effort. Further information on floor specification is available on the Movetech UK data sheet 'Air Film Technology'.



Features & Options

- Bespoke design to customer requirements
- Omni-directional movement inc. rotary
- Air-powered integral or external drives
- Pneumatic stillage pick-up systems
- Remote or hard-mounted controls
- Guide wheels



Our dedicated team of engineers and trained technicians will offer advice and assistance to any query we believe falls within our expertise, always with a mind to ensuring the goals of quality, safety and value are delivered.