

movetech uk

MOVEMENT TECHNOLOGY ACROSS COMMERCE AND INDUSTRY





Industrial Movement Solutions

The requirements of those working in heavy industry to move and position components, or machines, are frequently unique to their industry and varied in nature. Often requiring bespoke designed materials handling solutions, which is where our expertise excels. The equipment being manoeuvred may be heavy and physically large, but may still need positioning to precise requirements, sometimes in arduous conditions.

We take pride in providing materials handling solutions that are reliable, safe, efficient and of value to your organisation. We have an excellent history of repeat business from our customers which we trust is indicative of the overall service we provide.



Products suitable for the heavy industry include:






-  Hovair® air film transporters and air skates
-  JUNG machinery skates and hydraulic lifting jacks
-  Industrial turntables
-  Vehicle access solutions



Hovair® Air Film Transporters

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 containerised contaminated waste
-  Positioning of large assemblies during fit out such as aero-engines or wings rafts
-  Moving 100 tonne electrical transformers into storage areas
-  Moving railway locos/carriages in refurb facilities
-  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 can be ideal for hazardous environments as they are air powered and do not require an electrical supply. The air bearings may be a preferred alternative to wheels in clean environments, such as those required in a laboratory.

Hovair®transporters float heavy loads on a thin 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.

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.

Organisations such Sellafield Ltd, Magnox, AgustaWestland, BAE Systems, Rolls Royce have all come to rely on Movetech UK to provide the correct equipment for the project in hand.

For more information on Hovair® Air Film Transporters visit:
www.movetechuk.com/hovairairfilmtransporters.html















Hovair® Air Film Skates

Hovair® air film skates are robust, low profile, high capacity load-moving modules used in sets of four or more to enable large or heavy objects to be moved with ease. Suitable for use in virtually any industry, they have no moving parts and are consequently very low maintenance.

Compressed air and a smooth operating surface are all that is required to enable air skates to virtually eliminate friction. Unlike wheels, air skates provide omni-directional capabilities, meaning that a load can be moved in any direction without the need for complex positioning manoeuvres.

Features and benefits:

-  Load capacities of up to 100 tonnes and higher
-  Choice of skate modules – steel or aluminium
-  Move loads into restricted access areas
-  Easy to set up with quick release couplings
-  Powered by a regular workshop air supply
-  Easy to use and cost effective
-  Low floor pressures
-  Modular capability giving ultimate versatility
-  Accurate positioning with omni-directional capability
-  Low profile skate modules for ease of location

The air skates are connected with a hose manifold and supplied with compressed air. With the air turned on, the flow to each air skate is regulated to accommodate the load and floor conditions, allowing the load to be lifted clear of the floor. A thin film of air can then escape from the periphery of a moulded diaphragm, creating a very small gap between it and the floor. This virtually eliminates friction, enabling the load to be moved with relatively little effort; a force of less than 5 kg can accelerate a 1000 kg load on air skates.

More information on Hovair® Air Film Skates can be found at:
www.movetechuk.com/hovairairskates.html

JUNG Hydraulic Lifting Jacks

Through the use of high quality material and innovative design, JUNG machinery skates and lifting jacks combine high performance in a light weight construction with superb safety in operation.

Available in capacities of 5 to 50 tonnes, they provide fine control on raising or lowering, while their swivelling load stability feet give close access to the machinery side.

Movetech UK can also provide a specialist design service for unusual applications, to ensure the most effective solution is reached.

JUNG Machinery Skates

With a load capacity of 1 to 120 tonnes as standard, JUNG machinery skates combine flexibility and operational performance when transporting heavy or awkward loads.

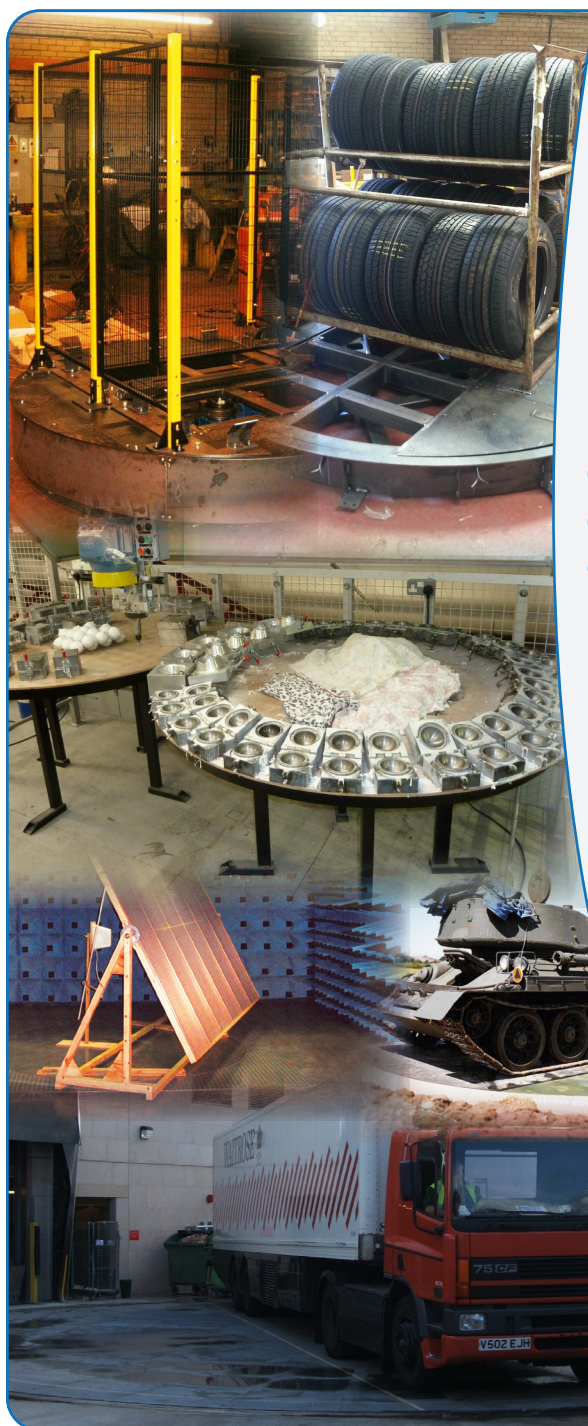
A high load to self-weight ratio provides minimal rolling resistance through the use of high quality bearings and wheels. Steel or swarf resistant tyred rollers are available to suit operating conditions.

Swivelling castor bodies are provided on higher load capacity skates to even out load pressure on the floor. Tandem attachments can be provided to cope with loads with no leading support edge, or where the load needs to be manoeuvred through tight curves.

More information on JUNG Hydraulic Lifting Jacks and JUNG Machinery Skates can be found at:

www.movetechuk.com/jungjacks.html
and www.movetechuk.com/jungskates.html










Industrial Turntables

Movetech UK is justifiably proud of its expertise in the design, manufacture and installation of commercial and industrial turntables. Manufactured in the UK and renowned throughout the world, our turntables are engineered using the latest technology and the highest quality materials and components to meet the specific requirements of our individual clients.

Applications include:

-  Revolving stages, bars, dance- floors and auditoria
-  Production/assembly flow-lines for aerospace and automotive industries
-  Automotive design studios and showrooms
-  Locations where space is limited and vehicle access problems exist such as city centre office blocks, department stores and supermarkets.
-  Non-destructive test laboratories - such as: for electro-magnetic compatibility testing / x-ray inspection, radar cross section examination.

Our partnerships with specialist electronics and construction companies mean that we can provide a complete turnkey solution for any turntable requirement.

Movetech UK's capabilities in this field have resulted in the successful testing of products as diverse as toasters, mobile phones, tanks and heat-seeking missiles.

Organisations such as IBM, BSI, BT, BAe Systems, GKN Aerospace, RFI, Hewlett-Packard, Mira, Rainford EMC Systems, KTL, Sheffield University, AWE and various defence-related sub-contractors have all come to rely on Movetech UK to provide the correct equipment for the project in hand.

More information on Industrial Turntables can be found at:
www.movetechuk.com/industrialturntables.html

Contact us now for more information on our full range of products and services.

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Due to continuous product research and improvement, specifications are subject to change without notice. Critical specifications should be checked prior to ordering.

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