



Air Cargo Handling



Air cargo handling

Easy, safe and ergonomic manual air cargo handling

Manual air cargo handling is a high-risk zone for musculoskeletal disorders caused by heavy weights and high frequency. A recent ergonomics analysis shows that the risk for personal injury can be decreased by up to 80%, with maintained or higher productivity.

Vaculex now offers air cargo handling lifting equipment based on vacuum technology that replaces or is a complement to manual handling.

We provide solutions for building and breaking down air pallets as well as loading and unloading of containers, as quick and easy as manual handling. No need for extra strong working force with exceptional high stamina since the cargo becomes almost weightless.

Your satisfaction is our responsibility. Our approach is to deliver turnkey solutions where we undertake every step from evaluation, design, installation and training to after sales.

Can it be any easier?



*Build and break down
air pallets for hours
without fatigue.*

*Unload a container with considerably
lower risk for injury caused by bad posture.*

g with Vaculex TP

Customer benefits

- **Vacuum technology**
Grants extremely soft, flexible and comfortable usage.
- **Easy to learn**
Very easy to learn and operate - in use within 5 minutes.
- **High safety factor**
Immediate response during power failure and a 3.3 times higher suction force than lifting force guarantees no damage to operators or load.
- **Very low construction weight**
Smooth and easy handling - control unit and lift tube weighs only 5.7 kg.
- **Instant release**
No hooks or gripping tools - the release button releases the load instantly.
- **Various load**
Lifting capacity up to 45 kg / 100 lbs depending on type of cargo.



Vaculex TP is extremely versatile and handles a great variety of cargo.

Can you predict the risk of injuries?

“Musculoskeletal disorders (MSD) cover a broad range of health problems. The main groups are back pain/injuries and Work Related Upper Limb Disorders, commonly known as “repetitive strain injuries”. Lower limbs can also be affected. Lifting, poor posture and repetitive movements are among the causes. Some types of disorders are associated with particular tasks or occupations.

MSD are commonly reported work related health problem by European workers: 30% complain of backache; 17% complain of muscular pains in their arms and legs; 45% report working in painful or tiring positions; 33% are required to handle heavy loads in their work.”

– European Agency for Safety and Health at Work
<http://europe.osha.eu.int/>

Our job is to make yours easier

Since Vaculex started operations more than a decade ago our aim has been to produce the most ergonomic, safe and dependable vacuum tube lifters world wide. We have focused on two things:

- **Minimizing injuries caused by weights, poor posture and high work rates.**
- **Increasing productivity.**

Among other things, we have conducted a number of analyses on different types of lifts with the help of NIOSH (National Institute for Occupational Safety and Health – Michigan, USA), a method which analyses different lifts, weights and work rates. With the help of NIOSH we can easily predict where injuries will occur. For instance it can be shown that light loads such as 10–15 kg, at a normal work rate, can cause serious repetitive strain injuries.

For more detailed information on different types of lift analyses, contact your local Vaculex representative.