

# Baggage Lifting Solutions

Optimized for your aviation business



# Lift your business all the way

## with TAWI airport solutions

### Swedish inventor since 1923

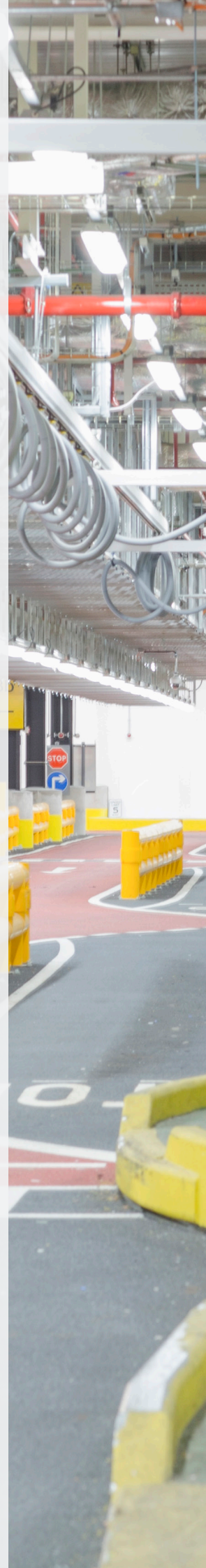
In Kungsbacka, a small town on the west coast of Sweden, TAWI is home to a dedicated staff performing everything from product development and design to final production. Our lifting equipment has been facilitating ergonomic material handling for decades by customizing our solutions to your business requirements.

TAWI makes ergonomics economics by transforming manual handling into semi-automated lifting solutions for businesses within production, logistics and distribution where manual lifting is part of daily operations. In 2020, TAWI was acquired by Piab Group, strengthening our leading position in the semi-automated lifting market.

Today, there is over 650 TAWI's baggage lifters in more than 65 airports across the world, boasting thousands of satisfied users who work with the equipment every day.

Existing users of the TAWI's baggage lifter have highlighted **increased productivity**, an **improved working environment** and **reduced number of injuries**. Independent studies show that the load on the body is reduced by more than 80% with added bonus of maintained or increased productivity.

We're extremely proud to have created a solution that helps every single baggage handler to eliminate their physical pain, all thanks to the ergonomic TAWI lifting solutions.





*“Before TAWI we had a lot of problem with injuries due to the heavy lifting here at Heathrow. Thanks to the TAWI solutions the work is much more efficient, and my staff doesn’t suffer from back problems anymore. It is a fantastic equipment.”*

Martin Bell –  
Training officer, Menzies, Heathrow airport



*“Baggage is such an important thing for the passenger. And with the TAWI baggage lifting solutions we really can improve what we do. For me, the most important thing is that my staff comes home fit and safe. Introducing manual handling devices is the way forward.”*

Darren Constant –  
Head of airside operations, Menzies, Heathrow airport





# Take control of the baggage

## How does it work?

An electric vacuum pump pumps out the air which creates the desired vacuum level. When a suction foot is placed airtight on a bag, the result is lower pressure. The difference in pressure makes the tube contract vertically and the object is lifted.

## Grips any bag - anywhere

The flexibility of TAWI's baggage lifter can grip almost any type of bag. No matter the fabric or size, it will lift bags up to 32 kg (70 lbs) in gauge, and out of gauge (OOG) environments up to 60 kg (132 lbs). The angle adapter allows the operator to angle the suction foot at ninety degrees to pick up bags from the side and the swivel allows for the baggage to rotate 360°. These built in features allow a wide variety of baggage to be handled safely, including backpacks and soft bags.

## Solutions for all conditions

The patented Low Head Room equipment allows unique and flexible solutions where ceiling height, narrow and confined areas with limited available working space may be an issue. Low profile crane systems, monorails, and carbon fiber arms are examples of how we provide our users with innovative answers to challenging airport environments.

## How much can you lift?

Did you know that a baggage handler lifts at least 6 tons of baggage per shift? This represents 5 Mini Coopers every day!

TAWI's baggage lifter is an innovative way to take control of baggage handling. The benefits users reports include reduced injuries, improved working environment and increased efficiency.

Isn't it time to take control of the baggage?

# Flexible solutions for any environment

## Show us your terminal, and we will help you find a suitable solution!

The flexibility of the TAWI products means that we can overcome many of the physical constraints that occur in any baggage hall. Whether retrofitting into an existing terminal or planning for a new building we can offer solutions that will adapt to the existing or required infrastructure.

We make sure to understand the customers processes and often work closely with integrators and architects. We take responsibility of the design – and the earlier we get involved in a project, the better the outcome.

International hubs, domestic or regional airports, all will experience baggage handling challenges - and whether there are open carts or ULDs (e.g. AKH, AKE) - our solutions are just as relevant. Arrival, make up area, transfer, re-flight, out of gauge (OOG/oversized), security check or baggage reconciliation: these are examples of areas where the TAWI baggage lifter is a perfect solution.



*“Since we installed TAWI’s baggage lifters we have reduced our sick leave by 50%.”*

Matthew Pyne –  
Station Attendant, Air Canada, Halifax



# Reduced sick leave by 50%

## Solutions for any challenging environment

The area where baggage is handled is often characterized by low headroom and limited working space, where the design of the TAWI patented low headroom equipment is the ultimate solution, optimizing every inch of the hall in the best and most efficient way.





# Smart lifting

## EUROPE

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### Denmark

Risskov  
+45 8617 2266  
[la.dk.mail@piab.com](mailto:la.dk.mail@piab.com)

### France

Beauchamp  
+33 (0)139-95 65 00  
[la.fr.info@piab.com](mailto:la.fr.info@piab.com)

### Germany

Kaarst  
+49 (0)211-20 54 27 – 40  
[la.de.info@piab.com](mailto:la.de.info@piab.com)

### Netherlands

Helmond  
+31 492-52 37 05  
[la.nl.info@piab.com](mailto:la.nl.info@piab.com)

### Spain

Barcelona  
+34 933-20 59 84  
[la.es.info@piab.com](mailto:la.es.info@piab.com)

### Sweden

Täby (Piab Group HQ)  
+46 (0)8-630 25 00  
[info-sweden@piab.com](mailto:info-sweden@piab.com)

Kungsbacka (TAWI HQ)  
+46 (0)300-18 50 01  
[la.info@piab.com](mailto:la.info@piab.com)

### United Kingdom

Northampton  
+44 (0)1604-59 11 20  
[la.uk.sales@piab.com](mailto:la.uk.sales@piab.com)

### Italy

Volterra (TO)  
+39 (0)11 4143521  
[la.it.info@piab.com](mailto:la.it.info@piab.com)

## AMERICAS

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### Brazil

Sao Paulo  
+55 (0)11-4492-9050  
[info-brasil@piab.com](mailto:info-brasil@piab.com)

### Canada

Richmond Hill (ON)  
+1 (0)905-881 16 33  
[la.ca.info@piab.com](mailto:la.ca.info@piab.com)

### USA

Bolingbrook (IL)  
+1 630-655 29 05  
[la.us.info@piab.com](mailto:la.us.info@piab.com)

## ASIA

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### China

Shanghai  
+86 21 5237 6545  
[la.cn.info@piab.com](mailto:la.cn.info@piab.com)

### India

+91 8939151169  
[info-india@piab.com](mailto:info-india@piab.com)