

About Us

Founded in 1995, AAT Automation GmbH specializes in providing innovative automation solutions to diverse sectors, including conveyor systems, automated warehouses, robotics, production and recycling facilities and AGVs.

Since 2021 we are a proud member of the company DREBLER BAU in the field of automation.

AAT is acknowledged for both its tech expertise and as a reliable partner for ambitious automation projects. Our multidisciplinary team of experts collaborates closely with clients to understand their specific needs and offer comprehensive support **from concept to realization**.



AAT[®]
Automation GmbH

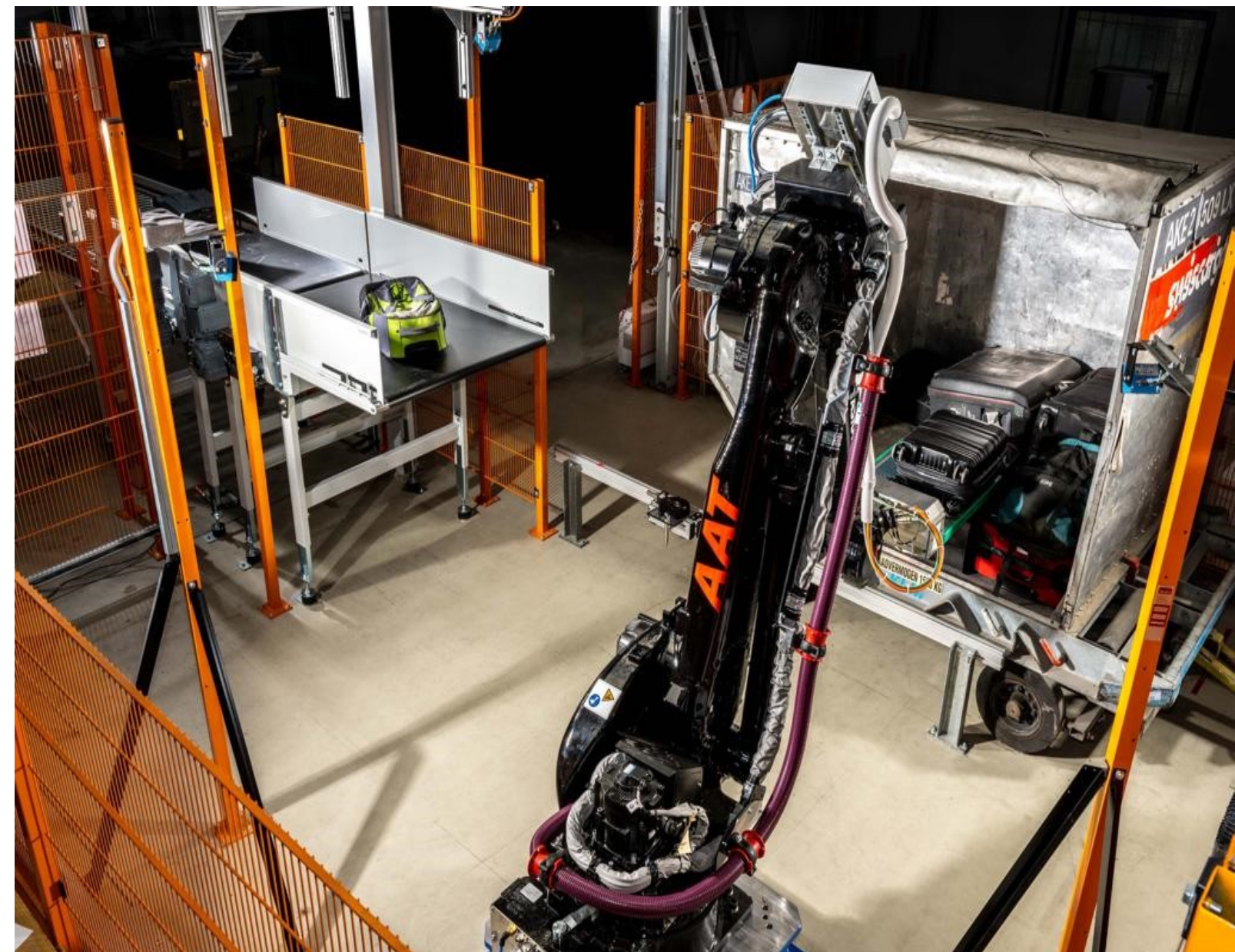


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AAT[®]
Automation GmbH

ABLE MK2

Automated Baggage Loading Equipment



Intelligence in Automation

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The Next-Gen of baggage loading

Our mission is to revolutionize airport operations through innovation and reliability

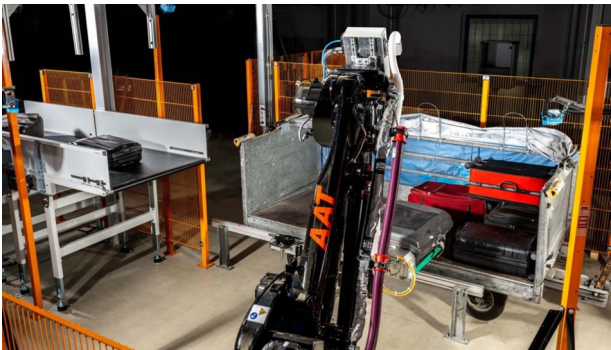
Countless pieces of luggage are loaded at the airports every day manually

While the automation of baggage conveyance within terminals, from check-in counter to baggage claim, has reached remarkable levels, the process of baggage loading into carts and cargo is still manual.

Our latest innovation - a new development of our robot - the **ABLE MK2** (**A**utomated **B**aggage **L**oading **E**quipment) completes the automation cycle and offers unprecedented efficiency gains.

As a pioneer in fully automated passenger baggage loading, AAT's **ABLE** system has been successfully operating at various European airports for over a decade. With extensive experience in automation, robotics, camera technology and computer algorithms, AAT can seamlessly integrate its fully automated baggage handling according to your needs.

*The **ABLE** system brings you a new era of efficiency, safety and reliability in airport baggage handling and gives you a technology edge*



ABLE MK2 loading baggage into cart

*The implementation of **ABLE** brings a key of benefits to airport operations:*

Elimination of personnel costs

Foremost, among them is the elimination of personnel cost in baggage handling. By automating the loading process, airports can significantly reduce their reliance on human labor, thereby optimizing their financial resources.

No more injury and health risks

Furthermore, the implementation of **ABLE** drastically reduces the potential for injuries and health risks associated with manual baggage handling. The physically demanding nature of this task often leads to strains, sprains and other musculoskeletal injuries among workers. **ABLE's** precision-engineered technology ensures minimizing the accidents and safeguarding the well-being of your personnel.

Technical data

Characteristics and loading cycle time

Baggage handling characteristics

Standard Baggage	Minimum	Maximum	Average
Length	300 mm	1000 mm	700 mm
Width	300 mm	750 mm	500 mm
Height	50 mm	650 mm	400 mm
Weight	2 kg	40 kg	18 kg



ABLE MK2 loading baggage into ULD

*Our **ABLE's** load over 50 Mio. pieces of luggage in the past years in two of the European largest and busiest airports*

Capacity breakdown

Fact based, operational averages of loading cycle time:

Design Capacity	Up to 400 bags per hour
Fill rate ULD	Up to 85%
Space consumption	< 25m ²