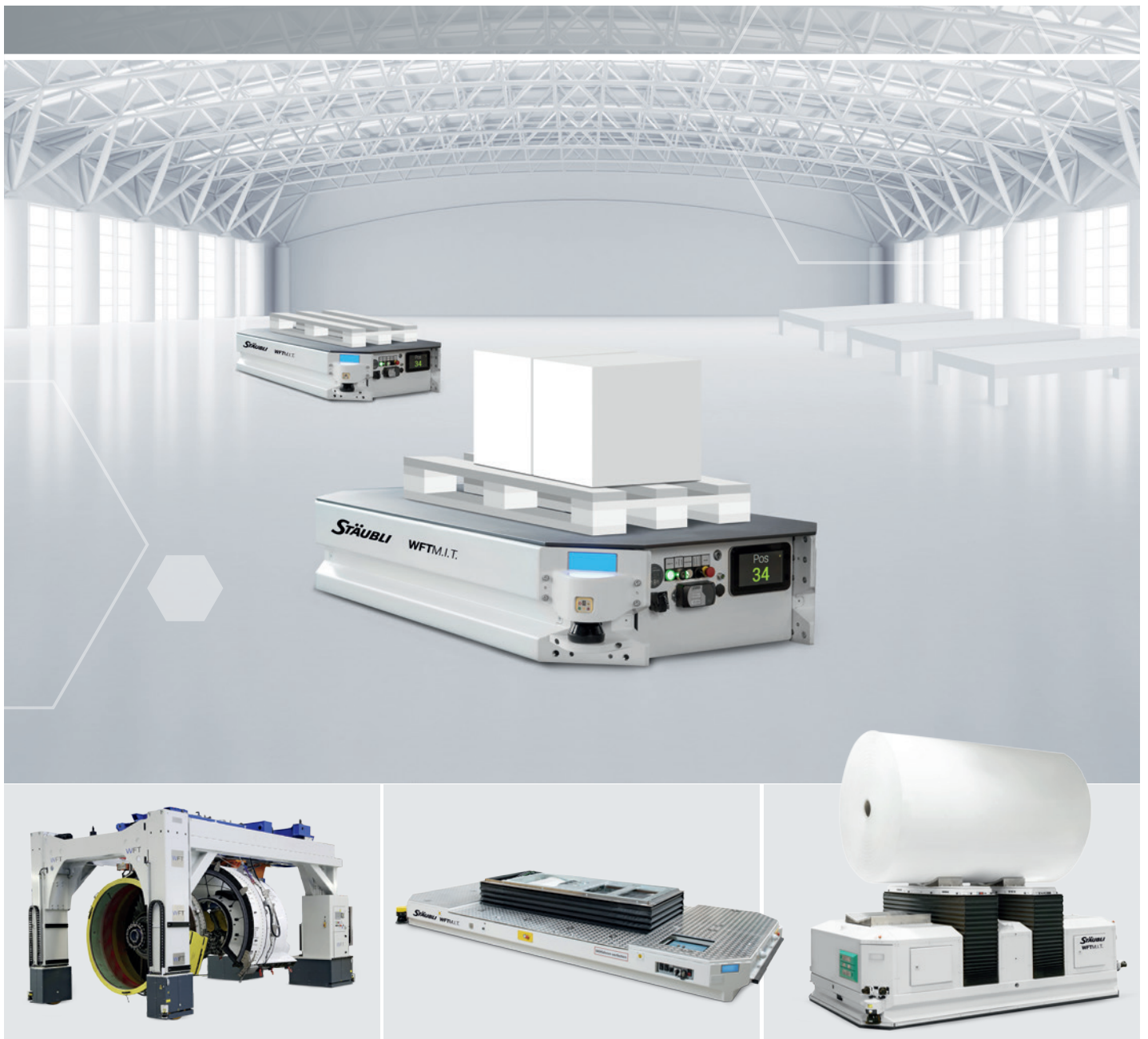


WFT

*STÄUBLI*

M.I.T.

Modular Individual Transport Systems



# High-precision AGVs for a wide range of applications

Wherever manufacturers transport large loads with precision and efficiency, “Modular Individual Transport Systems” (M.I.T.) from Stäubli WFT provide the ideal solution.

In order to satisfy the needs of the industry, Stäubli WFT has developed specific solutions that meet the ever-increasing challenges of all sectors.

The AGVs with their patented drive technology consistently and efficiently fulfill specific

requirements, even under special operating conditions. Thanks to their advanced technology, the AGVs can perfectly be integrated into Industry 4.0 environments.

They impress by virtue of maximum serviceability combined with minimal maintenance.



## Modular and precise

- Reliable movement of loads up to 500,000 kg
- Modular design for flexible dimensioning
- Battery configuration according to requirement
- Smooth operation, even under high load
- Coupling of multiple units to transport bulky goods
- Interfaces to customer production facilities

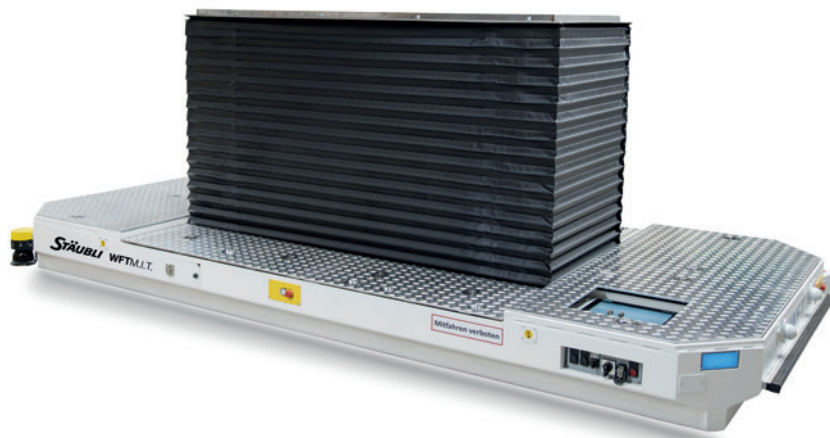
## Highly efficient

- Custom tailored automation
- Electric drive with integrated recovery of braking energy
- Absence of separate steering drive reduces energy consumption
- Battery configuration according to requirements
- Emission-free, almost silent movement

## Limitless movability

- Omnidirectional control by means of patented drive
- Extremely versatile and space-saving movement abilities
- Smooth turning reduces tire and parts wear
- Suitable for indoor and outdoor use

# Features



Customer-specific options such as a lifting system can be integrated into a M.I.T.

Technical data	
Loads	500 kg – 500,000 kg
Dimensions (L x W)	1.0 m x 1.7 m – 3.5 m x 15 m <sup>(1)</sup>
Drive design	Patented Stäubli WFT drive unit, electrically powered
Number of driven axes	1 to 16 / additional support wheels possible
Power supply	48V lithium ion batteries with integrated charger or external charging station
Operation	<ul style="list-style-type: none"> <li>Manual and semi-autonomous operation with radio remote control</li> <li>Fully autonomous with control system</li> <li>Multi-unit coupling</li> </ul>
Tracking	Various options and combinations possible, e.g. transponder, laser scanner, camera, magnetic strip
Operating environment	Indoors/outdoors – industrial flooring, paved surfaces, crossing thresholds
Overall efficiency	More than 80 %

<sup>(1)</sup> Other sizes available on request

## Available options

- Carrier units
- Lifting devices
- Conveyor systems
- Manipulators
- Inductive charging
- Remote maintenance

## Advantages

- Maximum flexibility
- Modular, compact design
- Excellent mobility and maneuverability
- High positioning accuracy
- Low maintenance and operating costs
- High availability due to overall efficiency



■ Stäubli Units    ○ Agents

## Global presence of the Stäubli Group

[www.staubli.com](http://www.staubli.com)