Stäubli WFT GmbH

Place | Date | Name

Stäubli WFT GmbH / Sulzbach-Rosenberg

Approximately 85 employees work at this location in Sulzbach-Rosenberg specializing on mobility topics.

- 1998
  „Wittich Fertigungstechnik“ was founded by Franz Wittich
- 2001
  renamed to „WFT GmbH & Co. KG“
- 2008
  Development of the first AGV with the patented drive unit
- 2018
  WFT becomes part of STÄUBLI Group
  renamed to „STÄUBLI WFT GmbH“
- Today
  About 200 **WFT**M.I.T. (**M**odular **I**ndividual **T**ransport system) installed in 9 different market segments

WFTM.I.T. (**M**odular **I**ndividual **T**ransport system) more than an AGV

About 200 **WFT**M.I.T. (**M**odular **I**ndividual **T**ransport system) installed in 9 different market segments

Automotive | Aviation | Construction | Energy | Food | Glass | Metal | Packaging | Plastics

WFTM.I.T. (**M**odular **I**ndividual **T**ransport system) more than an AGV

WFTM.I.T. (Modular Individual Transport system) more than an AGV

We are covering your mobility demands modular by

Payload

- Size
- Motion type
- Operating mode
- Drive unit
- Energy
- Options

Wide range of payload possibilities with a **single** M.I.T.

500 kg — **Payload** — **500.000 kg**

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We are covering your mobility demands modular by

- Payload

Size

- Motion type
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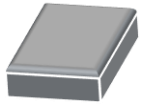
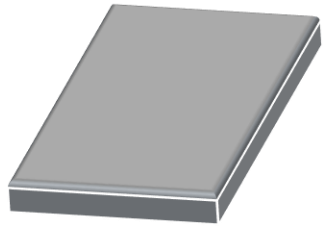
Wide range of size availabilities with a **single** M.I.T.



1 m x 1.7 m

Dimension (X / Y)

Height down to 200 mm (depending the payload needed)



3.5 m x 15 m
or even more

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- **Motion type**
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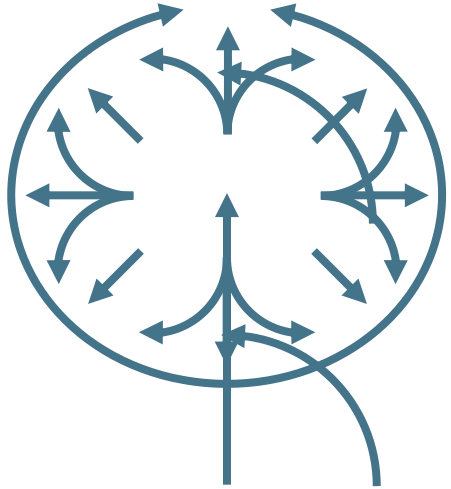
- Options

M.I.T.

Two different M.I.T. motion types available

Differential motion

Omnidirectional motion



M.I.T.

WFTM.I.T. (Modular Individual Transport system) more than an AGV

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- Payload
- Size
- Motion type

Operating mode

- Drive unit
- Energy
- Options

Three different M.I.T. operating modes available

Manual mode

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Operating mode

- Drive unit
- Energy
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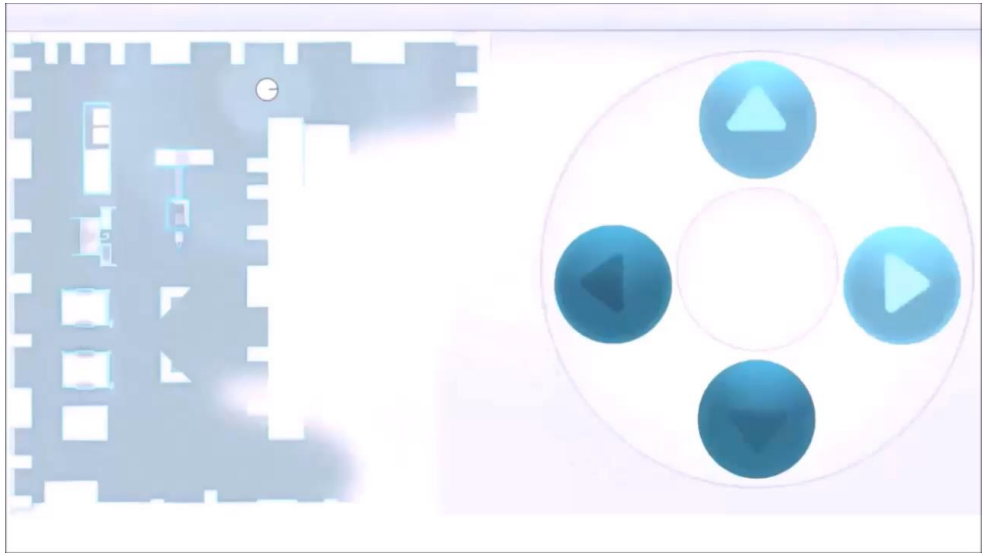
Three different M.I.T. operating modes available

Manual mode

Autonomous mode



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We are covering your mobility demands modular by

- Payload
- Size
- Motion type

Operating mode

- Drive unit
- Energy
- Options

Three different M.I.T. operating modes available

Manual mode

Semiautonomous mode

Benefit from combining both modes

Manual where needed

Autonomous where feasible

Autonomous mode

- Mapping
- Definition of routes
- Autonomous tasks
  - guidance
    - GPS
    - optical
    - transponder
    - …
  - SLAM navigation

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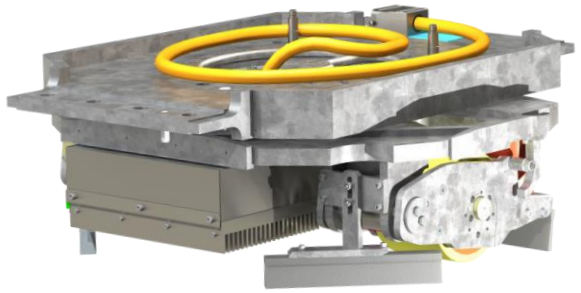
- Operating mode
- **Drive unit**
- Energy
- Options

Patented, modular and efficient 48V drive unit



- Robust drive unit with suspension
- Ready for in- and outdoor usage
- Low wheel friction due to intelligent control technology
- Low-wear and easy to maintain
- High overall efficiency

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Energy

- Options

Different M.I.T. charging possibilities available

with contact

- manual connection
- automatic connection

contactless

- inductive

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Options

Different M.I.T. option possibilities available

Software option

- coupling of M.I.T.

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Options

Different M.I.T. option possibilities available

Software option

- coupling of M.I.T.

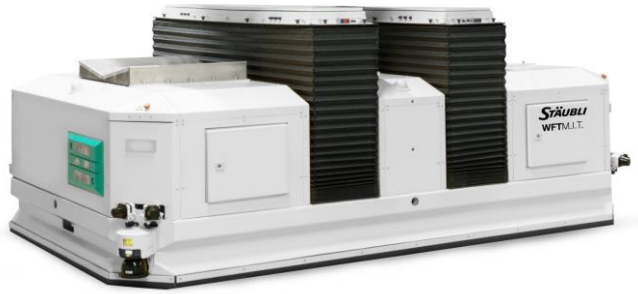
Mechanical options

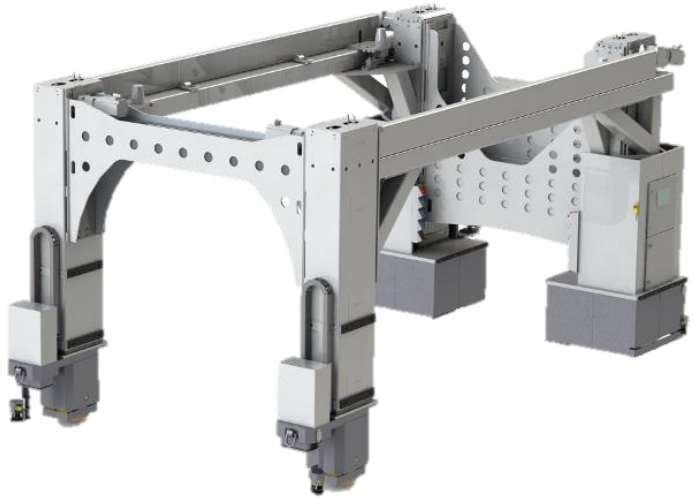
- carrying device
- conveyor
- lifting unit
- manipulator / robot
- …

WFTM.I.T. (Modular Individual Transport system) more than an AGV

We are covering your mobility demands by

- MODULARITY
- SCALABILITY
- CONNECTIVITY
- INDIVIDUAL ADD-ONS
- HIGH RELIABILITY





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„In reality, a test of an outdoor transport robot is currently taking place in the Leipzig plant, which independently transports truck trailers from the parking space to the unloading and loading station in the plant.
A mobile platform drives under the semi-trailer, couples it to the truck and manoeuvres it through the plant. Sensors and cameras record the entire environment - even behind the trailer.“

Source (20.12.2018): https://www.industry-of-things.de/bmw-werkslogistik-vernetzt-und-autonom-a-784252/

Thank you for your attention!