Flexible Motion in the Factory

Modular platform systems for a wide range of applications

Wherever manufacturers transport large loads with precision and efficiency, modular transport systems 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 service-ability combined with minimal maintenance.

**Modular and precise**
- Reliable movement of loads up to 200000 kg
- Various battery configurations possible
- Smooth operation, even under high load
- Multiple units can be coupled together for the transport of bulky goods as option
- Interfaces to customer’s existing production facilities can be realized

**Highly efficient**
- Custom tailored automation
- Electric drive with integrated recovery of braking energy
- Absence of separate steering drive reduces energy consumption
- Emission-free, almost silent movement

**Limitless movability**
- Patented drive technology facilitates omnidirectional steering
- Extremely versatile and space-saving movement abilities
- Smooth turning reduces tire and parts wear
Technical Characteristics

The modular design of WFTPF280 series allows for the integration of optional features, e.g., a lifting system.

### Available options
- Carrier units
- Lifting devices
- Conveyor systems
- Manipulators
- Cup & Cone
- Inductive charging
- Remote maintenance

### Technical data

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<thead>
<tr>
<th>Technical data</th>
<th>Details</th>
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<td>Loads</td>
<td>0 kg - 200,000 kg</td>
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| Dimensions (W x L x H) | 2.6 x 4.3 x 0.65 m  
2.6 x 8.0 x 0.65 m     |
| Drive design         | Patented Stäubli WFT drive unit, electrically powered                  |
| Number of driven axes | 4 to 8 / additional support wheels possible                            |
| Power supply         | 48V lithium ion batteries with integrated charger/external charging station and battery management system |
| Operation            | Manual and semi-autonomous operation with radio remote control  
Fully autonomous operation
Fully autonomous with control system |
| Tracking             | Various options and combinations possible, e.g., transponder, laser scanner, camera |
| Operating environment| Indoor version – industrial flooring, paved surfaces, crossing thresholds |
| Overall efficiency   | More than 85%                                                          |

### Advantages
- Maximum flexibility
- Modular, compact design
- Excellent mobility and maneuverability
- High positioning accuracy as option
- Low maintenance and operating costs
- High availability due to overall efficiency
Global presence of the Stäubli Group

www.staubli.com