

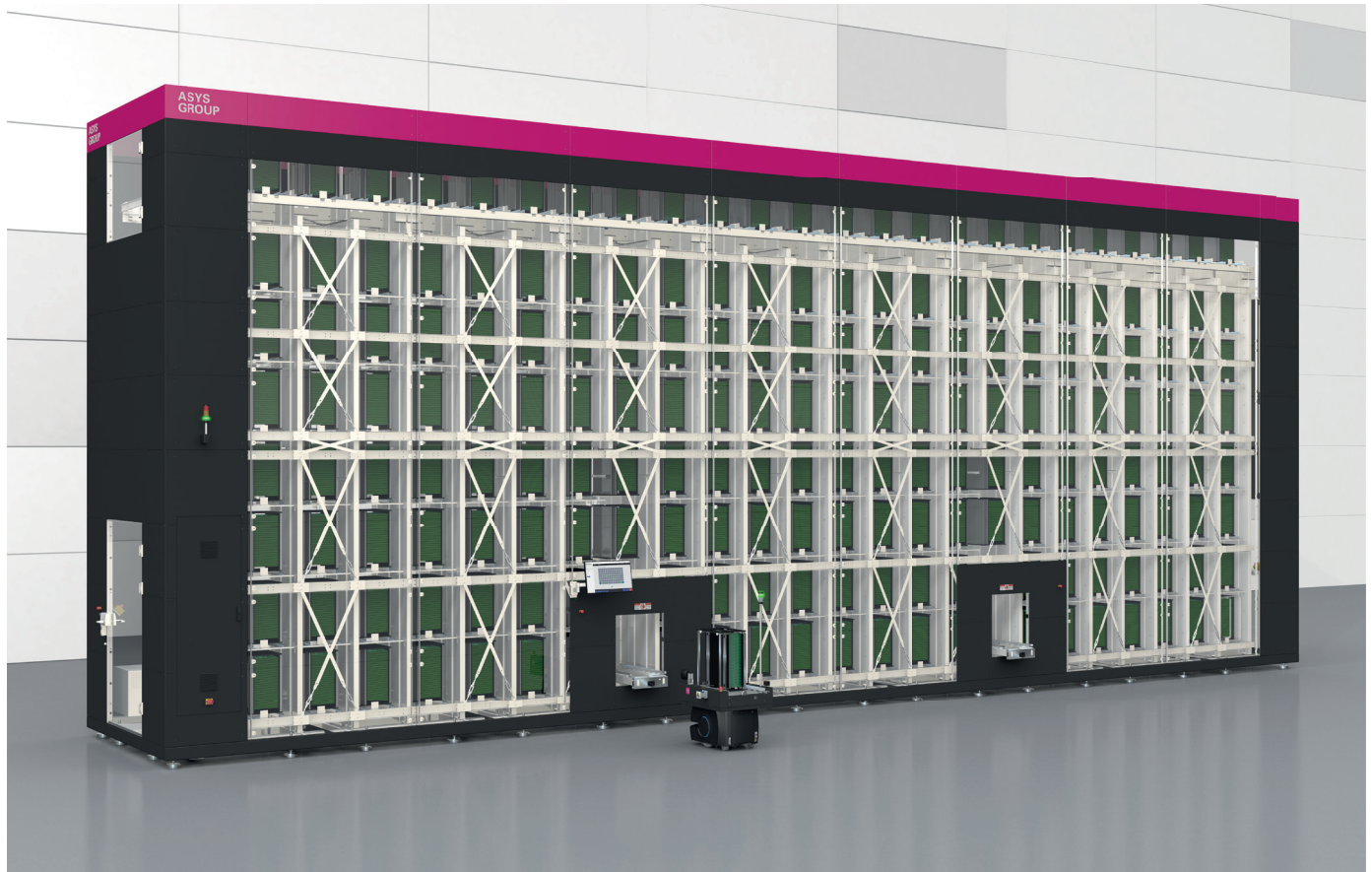
Fully automated, centralized & space-optimized storage

MATERIAL LOGISTICS

## Material Warehouse



Storage



### Description:

In the Material Warehouse, printed circuit board magazines or other materials are automatically stored in KLT boxes in a shelf system according to a chaotic storage concept and can be retrieved at any time. Thanks to clear identification, each magazine is completely traceable. Optionally, the storage conditions can be adapted to the respective requirements of the stored material, e.g. humidity can be regulated to meet MSD requirements.

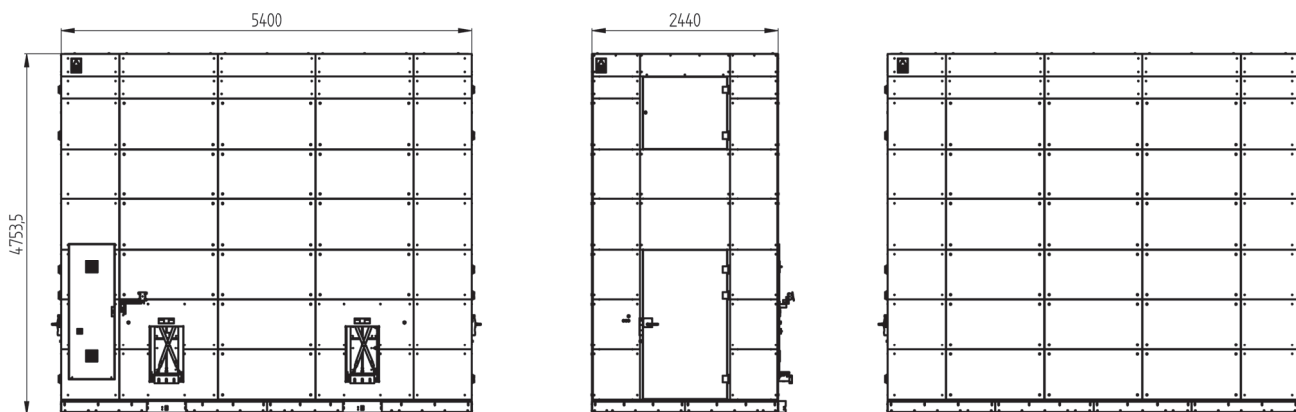
### Features:

- \_Payload: 35 kg
- \_Usable Segment width (max.): 400mm / 530mm
- \_Transport height inlet/outlet: 550 +/-20mm
- \_Cycle time: < 1 min (depending on the size)
- \_Safetyshutter
- \_Optimized storage logistics for high runner
- \_Blocking of shelf positions
- \_Proactive takeout
- \_ESD

### Options:

- \_Extension modules
- \_Additional inlet(s) / outlet(s)
- \_Differing height grid
- \_Air conditioning feature(<5% r.h.)
- \_Lock function
- \_RFID-Reader
- \_Replacement lifter
- \_Robot maintenance lifter
- \_Customer specific MES-interface(s)
- \_Customer specific AMR/AIV-interface(s)
- \_Fire protection concept(s)
- \_Payload: 50 kg

# Material Warehouse | Technical Data



| Material Warehouse                 | MWH<br>02x09x04-660<br>Type 1 | MWH<br>02x09x06-660<br>Type 1 | MWH<br>02x09x08-660<br>Type 1 | MWH<br>02x09x04-660<br>Type 2 | MWH<br>02x09x06-660<br>Type 2 | MWH<br>02x09x08-660<br>Type 2 |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Machine Configuration</b>       |                               |                               |                               |                               |                               |                               |
| Number storage positions           | 66                            | 102                           | 138                           | 66                            | 102                           | 138                           |
| Transport height IN/OUT (mm)       | 550                           | 550                           | 550                           | 550                           | 550                           | 550                           |
| Transport width max. (mm)          | 400                           | 400                           | 400                           | 530                           | 530                           | 530                           |
| Operating side                     | front                         | front                         | front                         | front                         | front                         | front                         |
| <b>Transport good format</b>       |                               |                               |                               |                               |                               |                               |
| Transport good length (mm)         | 300 to 600                    | 300 to 600                    | 300 to 600                    | 300 to 600                    | 300 to 600                    | 300 to 600                    |
| Transport good width (mm)          | 355 to 400                    | 355 to 400                    | 355 to 400                    | 355 to 530                    | 355 to 530                    | 355 to 530                    |
| Transport good height (mm)         | 60 to 590                     | 60 to 590                     | 60 to 590                     | 60 to 590                     | 60 to 590                     | 60 to 590                     |
| Payload per segment max. (kg)      | 35                            | 35                            | 35                            | 35                            | 35                            | 35                            |
| <b>Installation Requirements</b>   |                               |                               |                               |                               |                               |                               |
| Power supply                       | 400 V<br>50 Hz, $\pm 10\%$    | 400 V<br>50 Hz, $\pm 10\%$    | 400 V<br>50 Hz, $\pm 10\%$    | 400 V<br>50 Hz, $\pm 10\%$    | 400 V<br>50 Hz, $\pm 10\%$    | 400 V<br>50 Hz, $\pm 10\%$    |
| Power supply system                | 400 V- 3 Ph - 50 Hz           | 400 V- 3 Ph - 50 Hz           | 400 V- 3 Ph - 50 Hz           | 400 V- 3 Ph - 50 Hz           | 400 V- 3 Ph - 50 Hz           | 400 V- 3 Ph - 50 Hz           |
| Power consumption                  | 0,95 kW                       | 0,95 kW                       | 0,95 kW                       | 0,95 kW                       | 0,95 kW                       | 0,95 kW                       |
| Pneumatic supply                   | 6 bar                         | 6 bar                         | 6 bar                         | 6 bar                         | 6 bar                         | 6 bar                         |
| Air consumption                    | 5 NI/min                      | 5 NI/min                      | 5 NI/min                      | 5 NI/min                      | 5 NI/min                      | 5 NI/min                      |
| <b>Machine Description</b>         |                               |                               |                               |                               |                               |                               |
| Length (mm)                        | 5400                          | 5400                          | 5400                          | 6570                          | 6570                          | 6570                          |
| Width (mm)                         | 2440                          | 2440                          | 2440                          | 2440                          | 2440                          | 2440                          |
| Height (mm)                        | 3410                          | 4730                          | 6050                          | 3410                          | 4730                          | 6050                          |
| Netto weight (kg)                  | 5600                          | 7300                          | 9000                          | 7280                          | 9490                          | 11830                         |
| Noise level                        | < 74 dB                       | < 74 dB                       | < 74 dB                       | < 74 dB                       | < 74 dB                       | < 74 dB                       |
| <b>Extension module (3-column)</b> |                               |                               |                               |                               |                               |                               |
| Number storage positions           | 24                            | 36                            | 48                            | 24                            | 36                            | 48                            |
| Length (mm)                        | 1290                          | 1290                          | 1290                          | 1680                          | 1680                          | 1680                          |
| Width (mm)                         | 2440                          | 2440                          | 2440                          | 2440                          | 2440                          | 2440                          |
| Height (mm)                        | 3410                          | 4730                          | 6050                          | 3410                          | 4730                          | 6050                          |

**ASYS  
GROUP**

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