

AUTOMATE YOUR MATERIAL HANDLING OPERATIONS

The SEIT Autonomous Fork Unit is your fast track to higher throughput. This compact yet rugged AMR lifts, carries, and positions palletised loads with effortless precision, gliding through narrow aisles while adapting as your operation grows. Whether you're staging inbound goods or feeding high-bay racks, SEIT delivers continuous, scalable performance.



MAXIMUM FLEXIBILITY
Unrestricted freedom of movement



VISIBLE ON MOVE
Equipped with warning lights



SAFE ON ROAD
Navigate with sensors and scanners



AUTO-CHARGING
Recharges on its own



SHORT ROI
Pays you back



PRECISE
Transports with reliable accuracy



EFFICIENT OPERATION
Fully autonomous rather than
automated



DURABLE & STRONG
Designed for heavy loads and
tasks



FLEET MANAGEMENT
Provides centralized control
of robots

TECHNICAL SPECIFICATIONS

DIMENSIONS AND WEIGHT

External Dimensions	1730 x 796 x 2325 mm (L x W x H)
Fork Dimensions	1100 x 160 x 60 mm (L x W x H)
Sweep Diameter	2765 mm
Lift Stroke	2750 mm
Ground Clearance	25 mm

PALLET AND MOVEMENT

Standard Pallet Sizes	EPAL EURO (Ground), EPAL 2, EPAL 3 US Palet Sizes: 40x42, 42x48, 48x48 etc.
Fork/Mast Movement	Fork Lift

PERFORMANCE

Max Payload	1500 kg
Max Speed	2m/s
Gradeability	Fully Loaded: 3% Unloaded: Up to 12%
Drive Configuration	1 Steerable Drive @Front
Traversable Step Size	8 -10 mm
Lifting Speed	Loaded: 0.30 m/s Unloaded: 0.35 m/s
Lowering Speed	Loaded/Unloaded: 0.40 m/s
Lifting Precision	±2 mm

POWER

Battery	LiFePO4/ 48V - 100 Ah
Charge Time	2 hrs for %10 to %90
Nominal Run Time	Aprox. 8 hrs
Battery Life	Min. 3000 cycle
Charger Safety	Automatic Voltage Detection and Smart Charge Start, Short Circuit Protection, Over Voltage Protection

ENVIRONMENT

Operation Environment	Indoor
Operating Temperature Range	0°C to 45°C

CONNECTIVITY AND INTERFACE

General Purpose I/O	Inputs: 3 digital (1 safety), Outputs: 2 digital (1 sa fety)
Communication	Ethernet: 1 x IEEE 802.3i (10Base-T), IEEE 802.3u (100Base-TX) USB: 1 x USB 2.0 (non-isolated)
Wi-Fi	IEEE 802.11ax - 2.4 GHz/5 GHz DOME MiMo 6E Antenna

SAFETY AND COMPLIANCES

Standards	EU Directives or Regulations 2006/42/EC and EN60204-1, ISO 13849-1&2, ISO 12100, EN ISO 3691-4, ANSI/RIA R15.08
Safety Hardware	Sick NanoScan PLd Level Safety Lidar on the corners w/ Safety PLC, 2 side 3D dome Lidars, Fork Side ToF 3D Camera, Top Level 360 2D Lidar (optional), Top Level 360 3D Lidar (optional), Front and Top 3D Depth Cameras