

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	2500 x 1000 x 2150 mm (L x W x H)
Fork Dimensions	1100 x 100 x 40 mm (Class II)(LXWXH)
Weight	3120 kg (Empty)
Sweep Diameter	3750 mm (retracted)
Nom Fork Opening C-C	327.5 mm
Lift Stroke	Single Stage: 1700 mm Double/Triple Stage: Up to 4200 mm
Ground Clearance	40 mm

PALLET AND MOVEMENT

Standard Pallet Sizes	EPAL EURO, EPAL 2, EPAL 3 US Palet Sizes: 40x42, 42x48, 48x48 etc.
Fork/Mast Movement	Mast Reach, Fork Lift, Fork Positioner, Fork Side Shift, Fork Tilt

PERFORMANCE

Max Payload	2000 kg
Max Speed	Unloaded: 2.2 m/s Loaded: 1.8 m/s - 2m/s
Gradeability	Fully Loaded: 3% Unloaded: Up to 12%
Fork Tilt Angle	+.3 / -2 degree
Drive Configuration	1 Steerable Drive @Front
Traversable Step Size	8 -10 mm
Lifting Speed	Loaded: 0.25 m/s Unloaded: 0.35 m/s
Lowering Speed	Loaded/Unloaded: 0.40 m/s
Lifting Precision	±1 mm
Mast Shifting Stroke	650 - 700 mm
Mast Shifting Speed	0.15 m/s
Mast Shifting Precision	±1.5 mm
Forks Side Shift Stroke	± 210 mm
Fork Side Shift Precision	± 2 mm

POWER

Battery	Li - Ion / 48V - 120 Ah
Charge Time	1 hrs for %10 to %90
Nominal Run Time	8 hrs
Charger Safety	Automatic Voltage Detection and Smart Charge Start, Short Circuit Protection, Reverse Polarity Protection, Over Voltage Protection

ENVIRONMENT

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

CONNECTIVITY AND INTERFACE

General Purpose I/O	Inputs: 6 digital (3 safety), Outputs: 3 digital (1 safety)
Communication	2 USB 2.0 (Non-isolated) (supplied with 1x USB Ethernet Converter)
Wi-Fi	802.11 - 2.4/5.0 GHz - Internal Antenna

SAFETY AND COMPLIANCES

Standards	EU Directives or regulations 2006/42/EC and EN60204-1, ISO 13849-1&2, ISO12100, Referencing EN 1525:1997
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