

FAST MOVING TECHNOLOGY

STÄUBLI



RAM SOLUTIONS, LLC

Mobile Robotics Portfolio

We move your business



Unique modular Mobile Robotics portfolio



Platform



Forklift



Sterimove

Our value proposition



High-end technology

Patented drive unit:
robust, precise & high payload



Deep expertise

20+ years of experience
serving world-class customer



Modular design

Modular design with large
add-ons portfolio

Serving many industrial applications



Automotive



Aeronautics



Energy



Railway



Semiconductor



Heavy industry



Industrial intralogistics



Pharma



And many more

Optimizing Mobile Robotics fleet efficiency





reddot winner 2023
best smart product



Platform



Forklift



Shuttle



	PF3	PF3 OMNI	PF6	PF10	PF30	PF80	FL1500	Sterimove
Max. payload (tons)	3	3	6	10	30	80	1.5	Max. payload (kg) 250
Dimension LxWxH (mm) (without lift unit)	1 750 x 996 x 350	2 400 x 1 035 x 350	2 390 x 1 320 x 360	3 000 x 1 755 x 350	3 650 x 2 135 x 560	4 150 x 2 665 x 660	2 452 x 1 000 x 2 644	Dimensions LxWxH (mm) 804 x 701 x 575
Lift unit stroke (mm) on request	100		180	150	230	250	1 839	Grade Up to grade A
Battery	Li-ion 48V						Li-ion 48V	Battery Li-ion 48V
Charging technology	Inductive	Conductive or inductive		Conductive			Inductive	Charging technology Inductive
Drive type	Tricycle	Omnidirectional					Tricycle	Drive type Differential
Max. speed (m/s)	Up to 1.6	Up to 1.1			Up to 1.4		Up to 1.6	Max. speed (m/s) Up to 1.2
Position accuracy (mm)	Up to ± 5						Up to ± 5	Position accuracy (mm) Up to ± 10
Navigation	Laser natural feature 2D code camera						Laser natural feature	Navigation Laser natural feature
Slope (%)	Up to 3						Up to 3	Slope (%) Up to 1
Floor conditions	Can withstand floor irregularity						Can withstand floor irregularity	Hygienic design Ac. to EHEDG guideline
Outdoor at rated conditions	-				✓		-	Wheel design Prevent cross-contamination and microbial growth
Human safety	360°						360°	Human safety 360°

Add-ons

Option

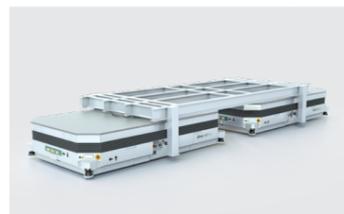
Top module



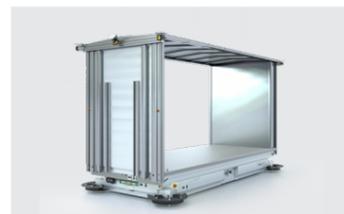
Lift unit
Electric spindle, electric scissor or hydraulic cylinder lift unit.



Conveyor
Connecting various processes together.



Coupling mode
Providing flexibility, high precision and smooth motion along the manufacturing process.



Housing
Protecting the transported good while operating outdoor.



Swap body
Moving containers in the outdoor logistics area.



QR code reader
Automated detection of material codes.



Application-driven
Application kit for system integrators to develop the right top module solution.



● Stäubli Units ○ Representatives/Agents

Global presence of the Stäubli Group

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