

MORELLO

MATERIAL HANDLING TECHNOLOGY SINCE 1946

BATTERY POWERED TROLLEY

THE SMARTEST SOLUTION FOR HEAVY DUTY MATERIAL HANDLING

SGAI



FULLY
ELECTRIC



LIFTING
DECK



FULLY
CUSTOMIZABLE



MECHANICAL
COMPENSATION



EX
CERTIFIABLE



REMOTE
ASSISTANCE

SGAI is quickly becoming the most popular solution when dealing with heavy duty material handling on ground

- ✓ Cost-effective
- ✓ Safe
- ✓ Versatile
- ✓ Environmental-friendly

BENEFITS AND FEATURES



INCREASED PRODUCTIVITY

SGAI **minimizes cranes usage**, thanks to the **lifting deck** which allows to **lift and move the load** where needed.



SUITABLE FOR ALL TYPES OF ENVIRONMENT

SGAI is extremely **silent**, completely **non-polluting** and requires **almost no maintenance** as **traction is entirely electric** (AC engines) and it is **powered by battery**. SGAI is also designed for use in **hazardous areas**.



SUITABLE FOR ALL TYPES OF FLOORING

Mechanical compensation of axles load and **various available types of wheels** allow SGAI to **work even outdoors**, ensuring an even **load distribution on uneven floors**.



FULLY CUSTOMIZABLE

SGAI can be customized according to **all customer needs** (dimensions, payload, battery life, superstructures and many others).



FULL SUPPORT

SGAI can be equipped with a remote assistance board ensuring **swift after-sales service** directly from the production plant.



MODELS AND STEERING

VS



VC



VSP1



VCP1



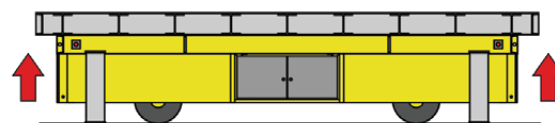
VSP3



VCP3



LIFTING DECK FEATURE



SGAI VC for tubes handling



SGAI VCP3 with superelastic tyres

TECHNICAL DATA

SGAI



Model	VS / VC	VSP1 / VCP1	VSP3 / VCP3
Payload	5 t ÷ 65 t	20 t ÷ 130 t	30 t ÷ 300 t
Length	from 2000 mm	from 3500 mm	from 5000 mm
Width	from 1500 mm	from 2000 mm	from 2400 mm
Loading deck height	from 500 mm	from 750 mm	from 1000 mm
Wheels number	4	8	16
Kind of wheels	Polyurethane / Cushion / Pneumatic / Superelastic		
Control	Wired controller / Radio controller		
Lifting deck	On request (stroke from 100 mm)		
Climbing ability	5 %		
Speed	0 - 3 km/h		
Battery	Lead acid / Gel / LiFePo		

CUSTOMIZATIONS

Payload	Over 300 t
Climbing ability	On request
Speed	Over 5 km/h (driver cabin version)
Battery life	Over 15000 m
Power supply	Battery / Electric grid / Diesel generator
Safety devices	Laser scanners / Sensitive bumpers / Sensitive edges / Ultrasonic sensors
Driver cabin	On request
Explosion proof (Ex)	On request
AGV	On request
Special dimensions	On request
Special coating and IP protection	On request



SGAI VS with lifting platform on deck



SGAI VCP1 for painting room

DRIVER CABIN VERSION



SGAI VS with cabin



SGAI VSP3 with lifting deck

LIFTING DECK VERSION

CUSTOMIZED SUPERSTRUCTURE VERSION



SGAI VSP1 for mandrels handling

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