



# AUTOMATED GUIDED VEHICLES (AGV)

## Mobile cable transport vehicle



### FEATURES

- Direct integration into cable processing line
- In-Process charging by using sliding contacts
- Route guidance using VLS (Virtual Lane Sensor) or magnetic tape and RFID tags
- Laser scanner with configurable warning and safety zones enables slower travel or a complete stop if there are obstacles in the danger zone
- Communication between AGVs as well as with peripheral equipment is over Wi-Fi or cellular networks
- Control of the vehicle via the ramatech automatic coil and binding machine
- Vehicle optionally with attachment for boxes, for independent loading and unloading

## TECHNICAL DATA

Performance	KRI 450 CBP	KRI 850 CBP	Electrical data	AGV
Coil inner diameter Manual mode Automatic mode	min. 110 mm min. 110 mm	min. 110 mm min. 110 mm	Charing time at 48V / 32A	2 h*
Coil outer diameter Manual mode Automatic mode	max. 390 mm max. 390 mm	max. 390 mm max. 390 mm	Tests	AGV
Coil height	max. 105 mm	max. 105 mm	Temperature [°C]/([°F])	5 - 30 / (41 - 86)
Cable diameter (flexible cable)	ca. 4 mm - 18 mm	approx. 4 mm - 18 mm	Accuracy for positioning [mm] / (inch)	+ / - 10* / (+ / - 0.4)*
Coil weight	ca. 20 Kg	approx. 20 Kg	Maximum speed [m/s] / ([mph])	1.0* / (2.2)*
Control system	PLC and LCD operator Terminal		Endurance driving [min] without load	600*
Interfaces	Synchronization with several types of prefeeding systems and cable processing machines		Mechanical data	AGV
Speed	Coiling speed synchronized with cable processing machine		Dimensions ( L / W / H) [mm] / ([inch])	710 (27.9) / 450 (17.7) / 260 (10.2)
Power supply	230 VAC / 10 AT	230 VAC / 10 AT	Weight AGV [kg] / ([lb])	95 / (209.4)
Pneumatic	6 bar	6 bar	Max. load capacity AGV (Topload) [kg] / ([lb])[kg]	150* / (330.7)*
Revolution	max. 310 min.-1	max. 310 min.-1	Max. pulling capacity (carrier) [kg] / ([lb])	500* / (1102)*
Weight	ca. 250 Kg	approx. 250 kg		
Dimension (L x W x H)	1800 x 795 x 1750 mm	1800 x 795 x 1750 mm	* Dieser Wert hängt von Umweltfaktoren ab.	

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