

# MODEL SERIES AGV/AMR ROBOMECC

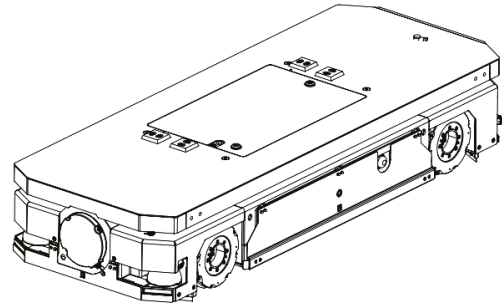
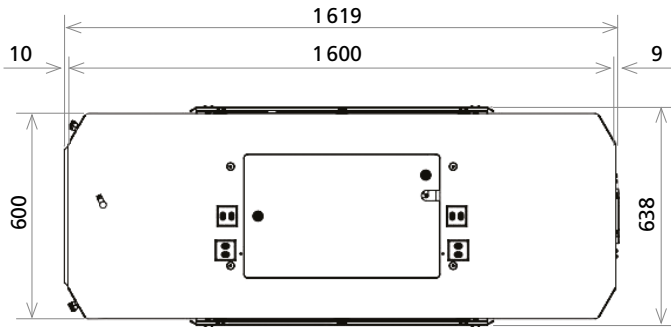
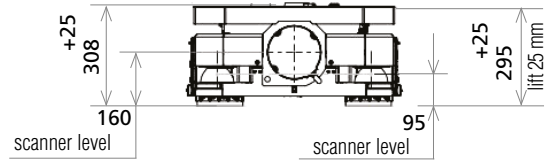
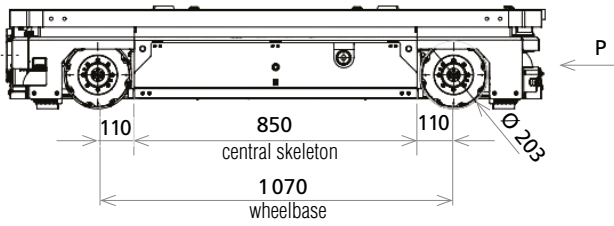
The AGV/AMR of the RoboMec model series is a variable autonomous vehicle platform produced in various modifications for specific customer applications. Thanks to the chassis equipped with Mecanum Wheels, the AGV/AMR can move omnidirectionally, including real-time crab movement and rotation around its axis.



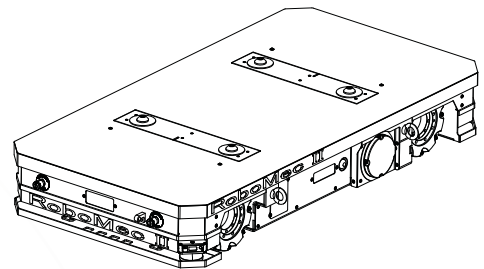
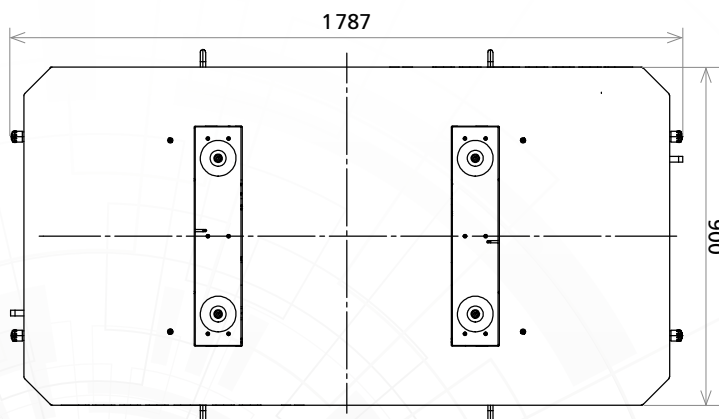
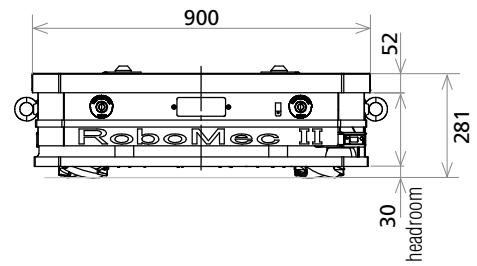
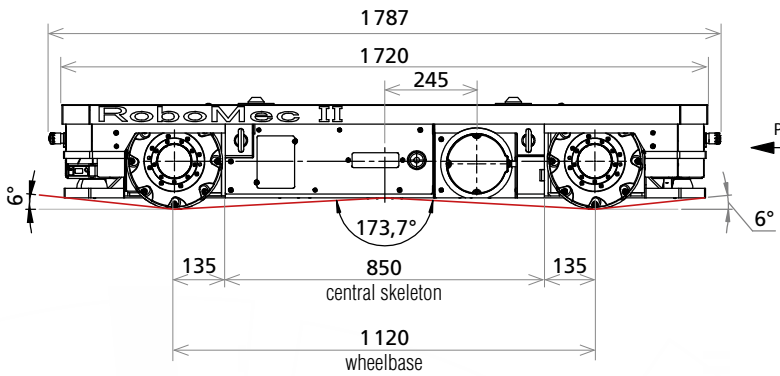
	AGV/AMR ROBOMECC I	AGV/AMR ROBOMECC II
<b>Dimensions</b>		
Length	1 600 mm	1 720 mm
Width	600 mm	900 mm
Height	300 mm*	280 mm
Clearance height	40 mm	40 mm
Lifting height	25-65 mm**	120 mm
Weight	340 kg	420 kg
<b>Payload</b>		
AGV/AMR payload	400-750 kg	850 kg
Towing capacity	N/A	1 000 kg
<b>Move</b>		
Speed	1,2 m/s (0,5 m/s***)	
Move / drive	Omnidirectional / 4 mecanum driven wheels	
<b>Customer extension</b>		
Extension	Yes	
Type extension	Belt conveyors, roller conveyors, robots	
<b>Safety</b>		
Safety devices	2-3 scanners 270° / 2-4 bumpers	scanners 270°
<b>Power</b>		
Battery	LiFePO4 / 48 V / 40 Ah	LiFePO4 / 48 V / 52 Ah
Charger	Wireless charging station 48 V / 20 A	
<b>Navigation</b>		
Typ navigace	Magnetic tape / SLAM / QR Code	
<b>Environment</b>		
IP class	IP 20	
Ambient temperature range	10-45 °C	

\*Optionally also a version with height 220 mm, \*\*Optionally also a version with lift 70 mm, \*\*\*Speed with full load.

## RoboMec I – the basic configuration



## RoboMec II – the basic configuration



ServisControl s.r.o.

Ovčáry 299, 280 02 Ovčáry

+420 778 434 101 | agv@serviscontrol.cz

www.serviscontrol.cz