

# TORY<sup>®</sup> *shelf*

*autonomous shelf gap detection*

TECHNICAL DATA



**GENERAL SPECIFICATIONS**

weight [kg]	55
dimensions (LxWxH) [mm]	500 x 500 x 1650
max. speed [m/s]	0.8
max. operating time per battery charge [h]	8
protection class	IP20
temperature during operation [°C]	+10 bis +35
temperature during transport [°C]	-25 bis +55
humidity	20 % - 60 % rH
minimum passage width [cm]	80
ground clearance	20°
ground clearance [mm]	15

**BATTERY**

type	LFMP
nominal capacity [Ah]	40
operating voltage [V]	26
lifetime	≥ 1500 discharge cycles (80% DOD)
rate of self-discharge [%]	≤ 3
charging time (0% zu 80%) [h]	5

<b>POWER SUPPLY</b>	
<b>type</b>	MetraLabs autonomous charging station (ACS)
<b>input power [W]</b>	max. 1200
<b>DRIVE</b>	
<b>type</b>	Brushless DC electric motors (BLDC)
<b>system</b>	ISO 13849-1, performance level d
<b>software</b>	CogniDrive® [Metralabs]
<b>IMAGE ANALYSIS</b>	
<b>cameras</b>	7 x CANON
<b>pixel effective</b>	26,2 MP
<b>shelf height [mm]</b>	2200
<b>scan area [mm]</b>	2200 x 1500 (H x W)
<b>SAFETY</b>	
<b>safety laser scanner (horizontal)</b>	Yes
<b>3D-cameras</b>	Yes
<b>acoustic warning system</b>	optional
<b>bumper</b>	Yes
<b>CE/TÜV</b>	Yes