

# 1 Morphology chart

Functions	1	2	3	4	5
<b>Navigation system</b>	Lines on the floor	GPS location + pallet detection	Preprogrammed map	Sensor fusion (IMU + GPS)	Bluetooth RTLS
<b>Micro controller / processor</b>	Arduino nano	STM32xx	Option 3	Option 4	Option 5
<b>Pallet recognition</b>	Option 1	Option 2	Option 3	Option 4	Option 5
<b>Coding standard</b>	Option 1	Option 2	Option 3	Option 4	Option 5
<b>Mast Stage</b>	Simplex	Duplex	Triplex	Quadriplex	
<b>Lift solution</b>	Linear Actuator	L.A + RollerChain	Threaded Rod	String&Bearing	Rack&Pineon
<b>Lifting sensing</b>	End stops Top&Down	Encoder	Stepper Motors	Option 4	Option 5
<b>Motors</b>	Option 1	Option 2	Option 3	Option 4	Option 5
<b>Sensors Fork</b>	Pressure (Weight)	Pallet recognition	Option 3	Option 4	Option 5
<b>Sensors Body</b>	Ultrasonic Distance HC-SR04	Infrared Distance	LiDAR	Optical Sensors	Option 5
<b>Sensors x</b>	Option 1	Option 2	Option 3	Option 4	Option 5

\* Green cells indicates chosen option.