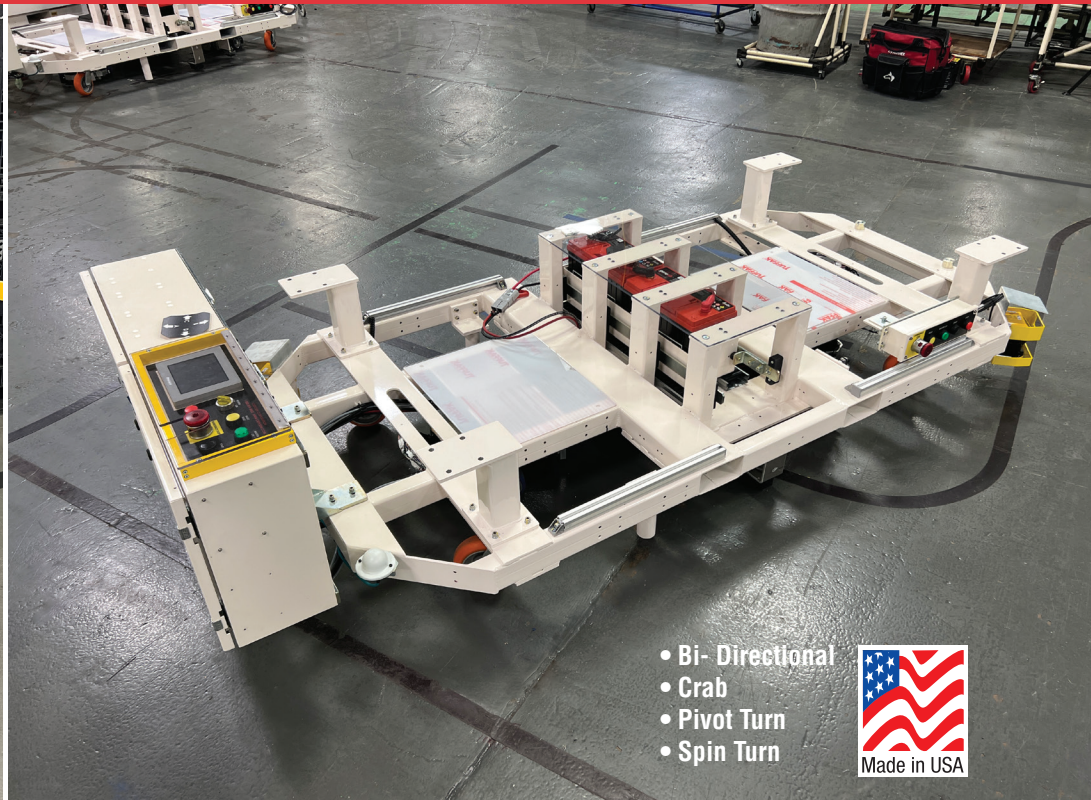


CREFORM CUSTOM AGV DRIVE UNITS



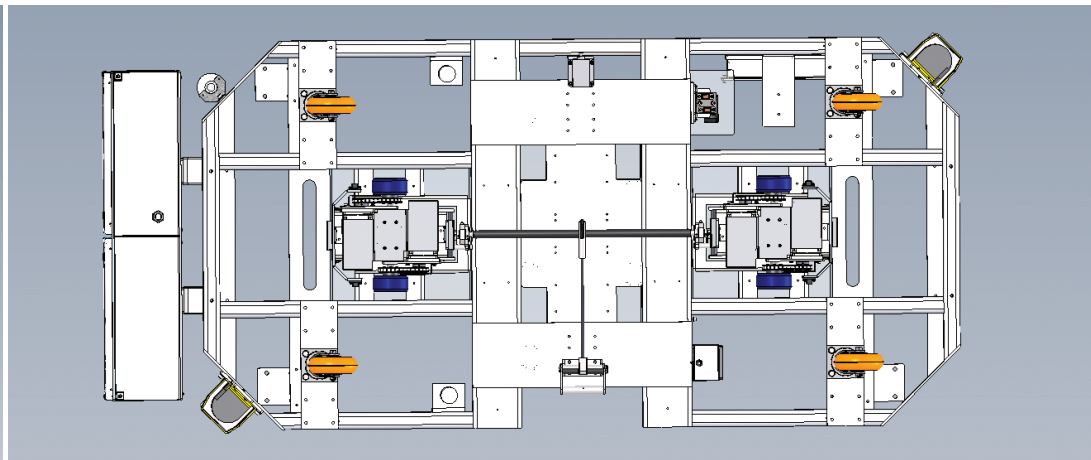
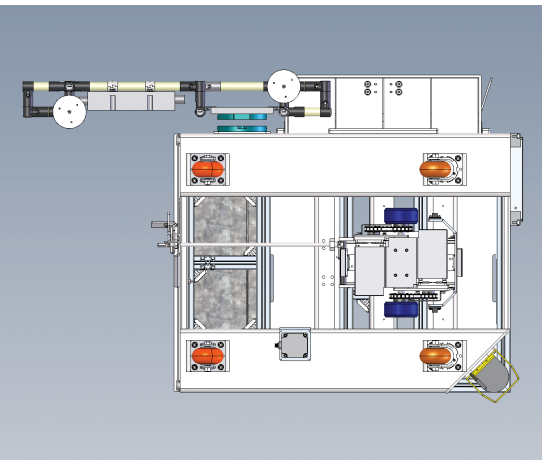
- Single Direction
- Pivot Turn
- Temporary Reverse



- Bi-Directional
- Crab
- Pivot Turn
- Spin Turn



DRIVE UNITS INTEGRATED INTO CUSTOM DESIGNED FRAMES:



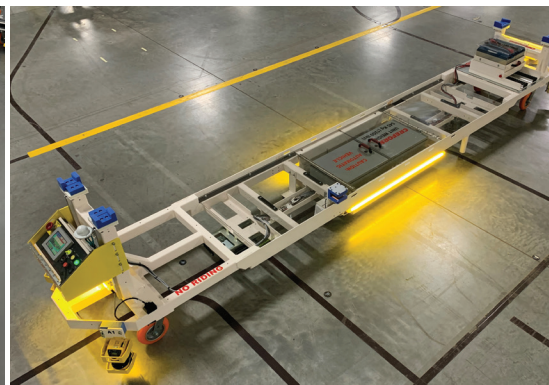
AGV EXAMPLES:



Tugger AGV



Powered Conveyor-Top AGV



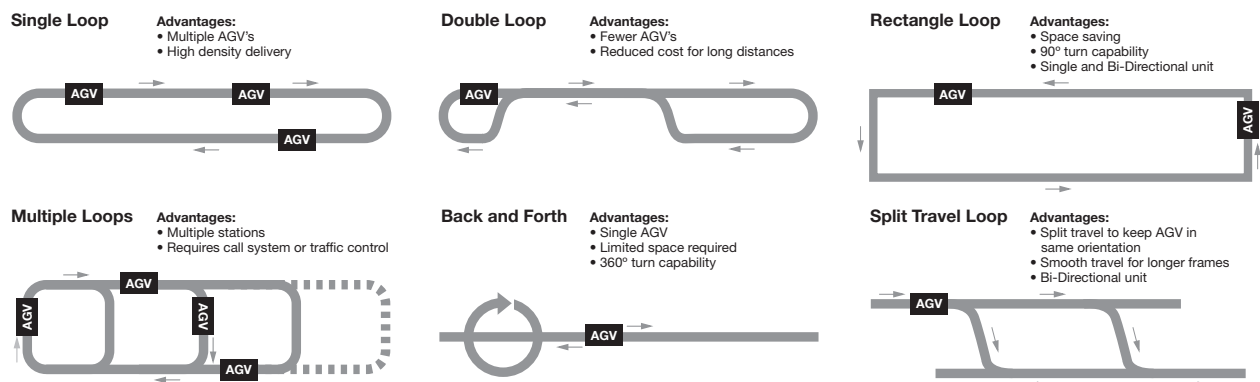
Unit Load Carrier

CREFORM HA-Z & HA-B BOLT-ON DRIVE UNITS SPECIFICATIONS

Single Direction Units			
Part number	HA-Z50060	HA-Z33090	HA-Z25120
Speeds	4-50m/min	3-33m/min	3-25m/min
	13-164ft/min	10-108ft/min	10-82ft/min
Load capacity	600kg/1320lb*	900kg/1980lb*	1200kg/2640lb*
Draw bar	26kg/57lb	39kg/86lb	50kg/110lb
Direction	Forward Only, 90° or 180° pivot turn capability. Temporary off tape travel forward or reverse up to 10m/33ft.		
Battery type	24V DC, (2) TPPL or AGM batteries		
Braking system	Regenerative braking, electromechanical emergency & parking brake		
Minimum turn radius	600mm/24"		
Bi-Direction Units			
Part number	HA-B50100	HA-B33150	HA-B25200
Speeds	4-50m/min	3-33m/min	3-25m/min
	13-164ft/min	10-108ft/min	10-82ft/min
Load capacity	1000kg/2200lb*	1500kg/3300lb*	2000kg/4400lb*
Draw bar	45kg/99lb	67kg/148lb	90kg/198lb
Direction	Bi-Directional, 90° or 180° pivot turn capability. Temporary off tape travel forward or reverse up to 10m/33ft.		
Battery type	24V DC, (2) TPPL or AGM batteries		
Braking system	Regenerative braking, electromechanical emergency & parking brake		
Minimum turn radius	800mm/31.5" R. 300mm only for lateral travel in slow speed		
Single Direction and Bi-Direction Units			
Guidepath	50mm wide Creform magnetic tape and/or 6mm wide embedded strip		
Control method	Magnetic command tapes, RFID tags, 50 course PLC with HMI Onboard RF for traffic management (optional), Free-Nav capable (single direction)		
Floor condition	Height slope 1% or less, step 2mm or less; trough 10mm or less. Surface roughness 10mm or less between min & max.		
Usage conditions	Indoor only; 32-140°F, 0-40°C; 30-80% humidity - no dew formation		
Protective circuits	Over current protection on power source (15A breaker). Over current prevention on motor (protected by motor driver).		

*Capacity depends on floor conditions and caster selection on the cart. Concept subject to change.

AGV MOVEMENT:



ISO 9001:
2015 CERTIFICATION

CREFORM®

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HANDLING
SYSTEMS**

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