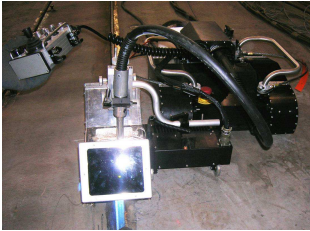



Technical Data: RTT Mobile Platform

Parameter	MRWS-100	MRWS-Mini 66
Overall dimensions		
Length (in)	18.25	14.3
Width (in)	18.25	13.1
Height (in)	10	6.7
Platform weight (lbs.)	65	39
Tether length (standard, ft)	50	50
Tether length (optional, ft)	100/200	100/200
Power system onboard	48V DC	12V DC
Power Supply	120V AC	120V AC (integrated on-board)
Climbing orientation	All	All
Payload (lbs)	100	66
Max pull-off normal load (lbs)	1,200	600
Max transverse load (lbs)	600	300
Max moment (long. axis., ft-lbs)	356	130
Max moment (transverse axis., ft-lbs)	200	100
Speed, autodrive (in/min)	0-150 +/- 0.3	0-177 +/- 0.25
Speed, Joystick (in/min)	0-200 +/- 2.0	0-177 +/- 2.0
On-board processor	MC9S12DG256CPVE	MC9S12DG256CPVE
Data network	80211G	80211G
Video network	80211G	80211G
Allowable track foot temp (deg. F)	270	270
Climbing surfaces	Ferrous	Ferrous
Min. radius of curvature, convex (ft) (longitudinal travel)	11	9
Min. radius of curvature, concave (ft) (longitudinal travel)	11	9
Min. radius of curvature (ft) (longitudinal travel) active chassis	5	5
Min. radius of curvature, active chassis (ft) (longitudinal travel)	8	8
Max. suspension travel (in.)	+/- 0.625	+/- .375
Min. turning radius (in)	0	0
Trigger interface	2-wire contactor	2-wire contactor
Control interface(standard)	Pendant (10/20/50 ft.)	Pendant (10/20/50 ft.)
Control interface(optional)	Wireless tablet	Wireless tablet

For Additional Information Contact: Steve Glovsky @ 310-766-4316

Technical Data: RTT Torch manipulator

Parameter	Torch Manipulator
Overall dimensions	
Length (in)	6
Width (in)	7
Height (in)	5
Weight (lbs.)	13
Mobility - Transverse motion (weave) (remote)	
Weave width (in)	4.5
Centering (in)	4.5 +/- 0.01
Speed (in/s)	2.5 +/- 0.065
Mobility – Tool axis translation (depth) (remote)	
Range (in)	1.97
Speed (in/s)	1
Mobility – roll (Work angle) (remote)	
Range (deg)	90 +/- 2
Speed (deg/sec)	63
Mobility – pitch (Travel angle) (manual)	
Range (deg)	180
Right/left dwell time (s)	0.75 +/- 1x10 ⁻⁴
Torch types	Automatic torch
Maximum force:	
weave axis (lb)	100
Tool axis (lb)	15
Work angle axis (in-lb)	125
Travel angle axis (in-lb)	
Weld positions	8 positions (torch manipulator at each quadrant, tool bar interior/exterior at each quadrant)

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