

DUMETA®

High quality positioning equipment

Column and boom
Middle & heavy duty

D-TL-HCJ

Working with the D-TL-HCJ column and boom is a next step toward automation. Welding manipulators are designed to move the welding head over the workpiece, usually in combination with a welding rotator or positioner; these move the workpiece rather than moving the welding head.

The ergonomic design of DUMETA® column and booms ensures operator safety and excellent welding results with maximum productivity.

Applicable for various welding applications like SAW, MIG, PLASMA but also for plasma cutting and shot blasting.

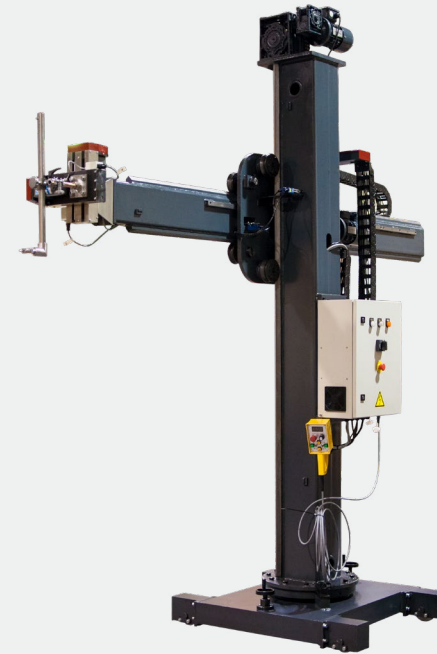
The D-TL-HCJ column and booms can be supplied in a wide range (up to 10 m vertical and 12 m horizontal) and can also be combined with a manual or motorized undercarriage, a cross slide, seam tracking systems etc.

Features

- Undercarriage (fixed or mobile)
- Rotation system
- Rotation lock
- Fall protection
- Cross support
- Control Panel

Optional

- Weld oscillator systems
- Weld seam tracking system
- PLC or CNC control system
- Wireless remote control
- Boom with catwalk, operator platform and/or operator seat



D-TL-HCJ-2020



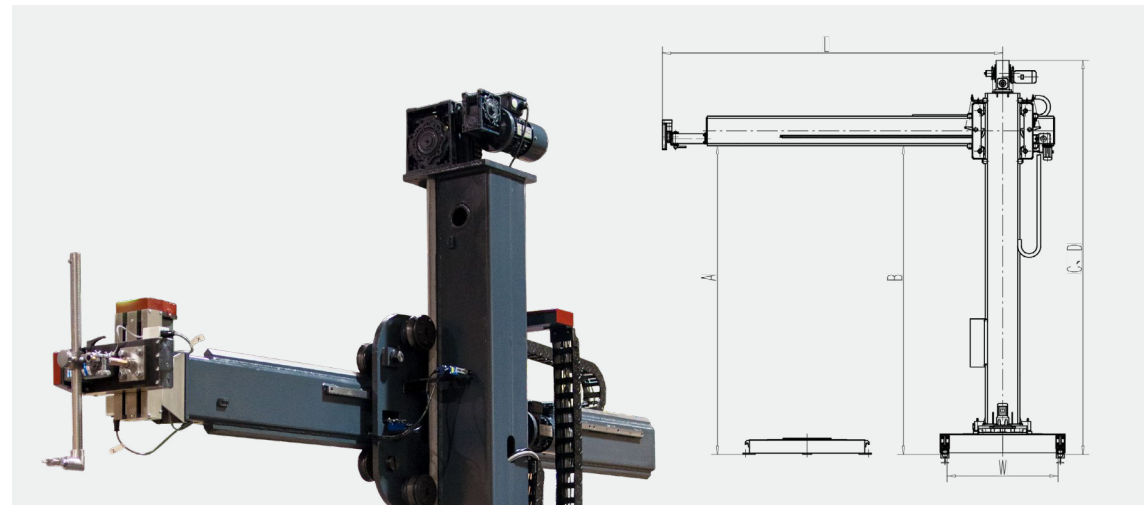
D-TL-HCJ-3030

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Technical specifications

	Middle duty					Heavy duty				
Model	D-TL-HCJ-1212	D-TL-HCJ-2020	D-TL-HCJ-3030	D-TL-HCJ-4040	D-TL-HCJ-5050	D-TL-HCJ-4040A	D-TL-HCJ-5050A	D-TL-HCJ-6060A	D-TL-HCJ-6060B	D-TL-HCJ-7070B
Effective extension stroke (mm)	1200	2000	3000	4000	5000	4000	5000	6000	6000	7000
Boom extension speed (mm/min)	120-1200	120-1200	120-1200	120-1200	120-1200	120-1200	120-1200	120-1200	120-1200	120-1200
Extension						Gear Rack				
Effective vertical stroke (mm)	1200	2000	3000	4000	5000	4000	5000	6000	6000	7000
Boom elevation speed (mm/min)	400	800	1000	1000	1000	1000	1000	1000	1000	1000
Elevation transmission	Spindle	Spindle	Chain	Chain	Chain	Spindle	Spindle	Chain	Chain	Chain
Column rotate degree	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°
Rotation speed (rpm)	Manual	Manual	Manual	Manual	0.05-0.5	0.05-0.5	0.05-0.5	0.05-0.5	0.05-0.5	0.05-0.5
Trolley travel speed (mm/min.)	Manual	Manual	200-2000	200-2000	200-2000	200-2000	200-2000	200-2000	200-2000	200-2000
Cross micro-adjusting distance (mm)	100×100	100×100	150×150	150×150	150×150	250×250	250×250	250×250	250×250	250×250
	Manual	Manual	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
End loading (kg)	100	100	300	200	100	400	280	300	300	200
Rail carriage track with inside to inside (mm) W	792	792	1560	1560	1730	1730	2000	2000	2000	2000
Max. extension (mm) L	1940	2730	4070	5070	6070	5300	6300	7400	7400	8400
Max. boom height (mm) Fixed A	410	395	705	705	735	705	765	848	848	815
Max. boom height (mm) Movable B	515	500	805	805	825	805	865	948	948	915
Total Height (mm) Fixed C	2205	3035	4850	5850	6890	6070	7130	8400	8400	9230
Total Height (mm) Movable D	2310	3140	4960	5960	6980	6170	7230	8500	8500	9350
Column rotate lock	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Air pressure	Air pressure

All information is subject to printing-, typing errors and modifications.