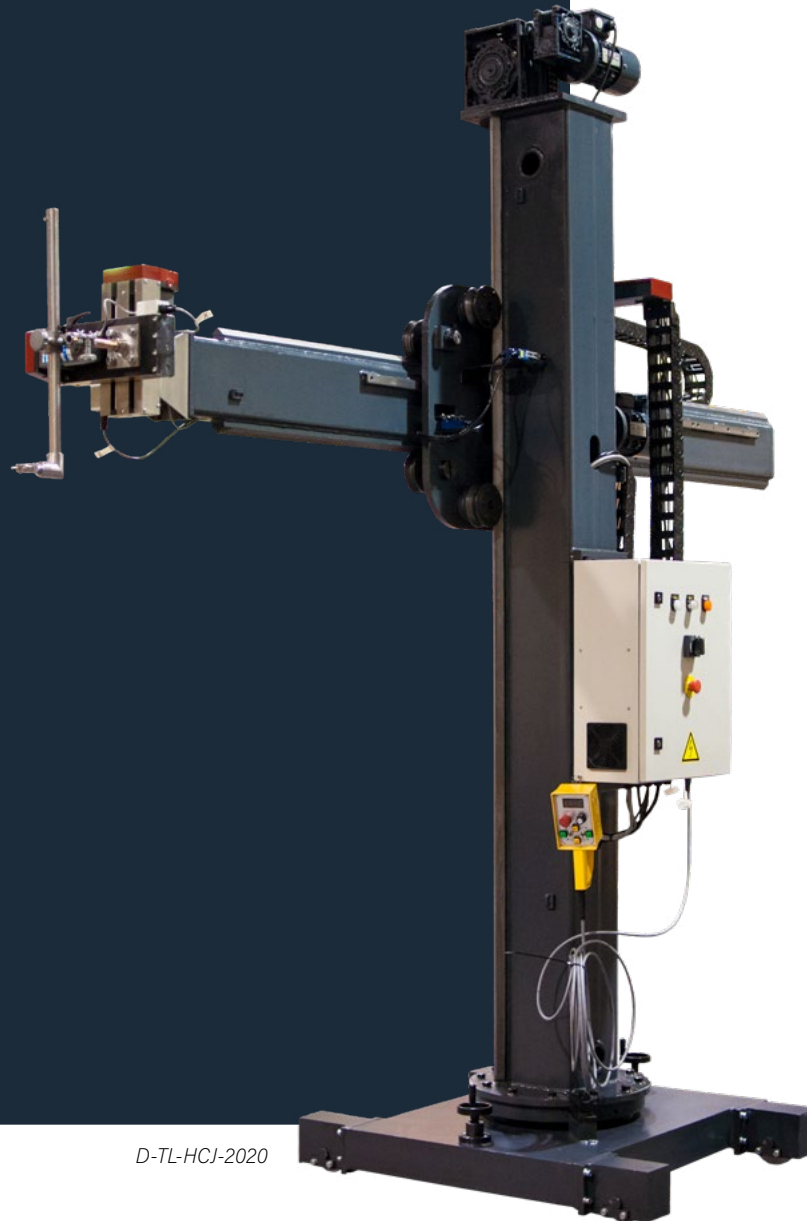


COLUMN AND BOOM

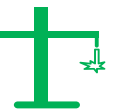
Middle & heavy duty

D-TL-HCJ



D-TL-HCJ-2020

UMETA
fast. safe. easy.



COLUMN AND BOOM

Middle & heavy duty

D-TL-HCJ

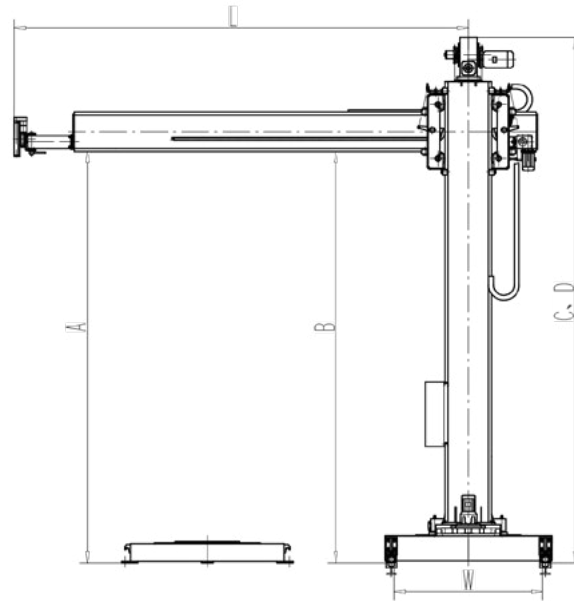
Working with the D-TL-HCJ column and boom is a next step toward automation.

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.

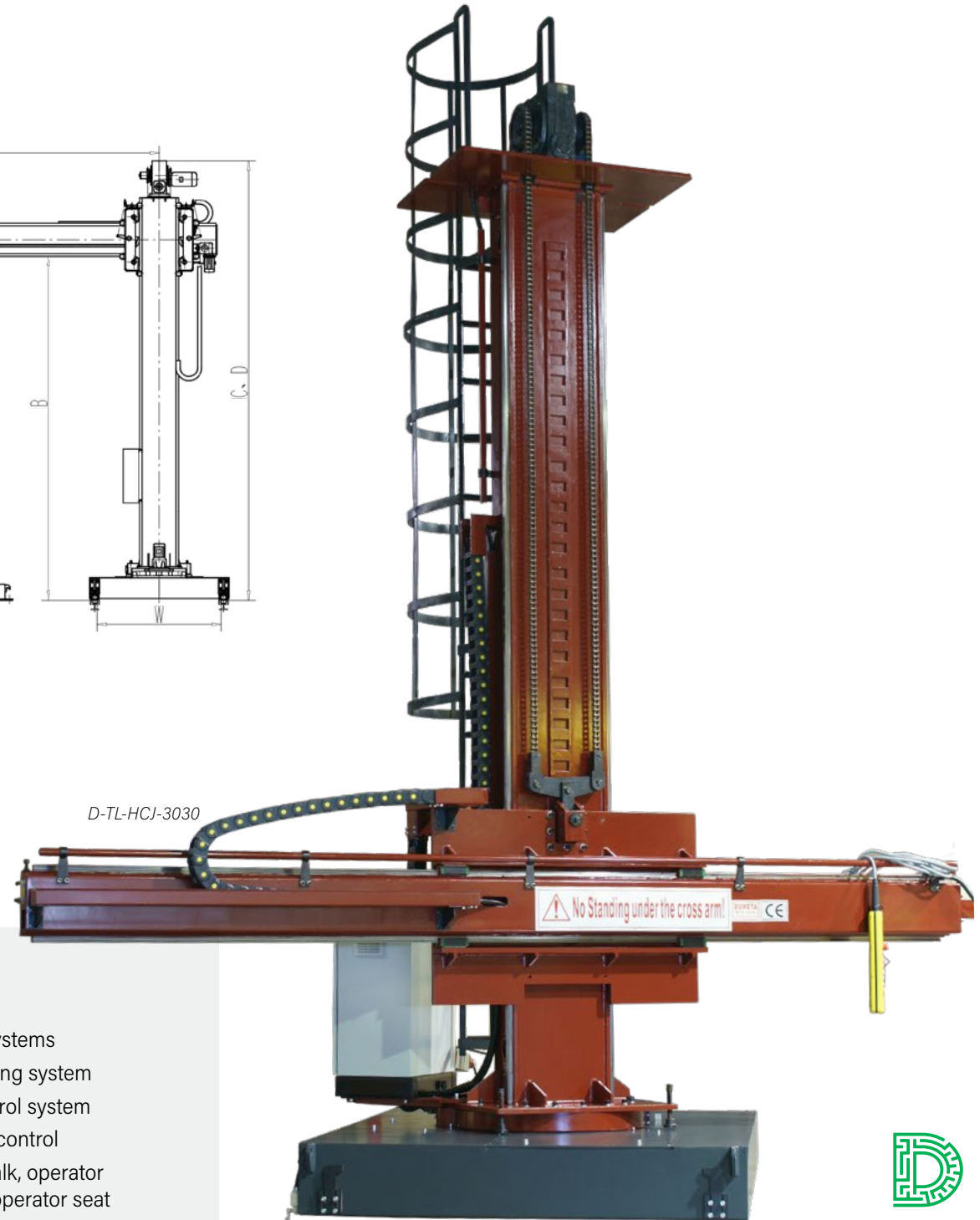
The ergonomic design of DUMETA® welding head manipulators ensures operator safety and excellent welding results with maximum productivity.

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.



D-TL-HCJ-3030



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



COLUMN AND BOOM

Middle & heavy duty

D-TL-HCJ

Technical specifications

Model	middle duty					heavy duty					
	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	Screw & nut	Screw & nut	Chain	Chain	Chain	Screw & nut	Screw & nut	Chain	Chain	Chain	
Column rotate degree	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	±180°	
Column rotate speed (rpm)	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	200-2000	200-2000	200-2000	200-2000	200-2000	200-2000	200-2000	200-2000	200-2000	
Cross micro-adjusting distance (mm)	100×100 (manual)	100×100 (manual)	150×150 (powered)	150×150 (powered)	150×150 (powered)	250×250 (powered)	250×250 (powered)	250×250 (powered)	250×250 (powered)	250×250 (powered)	
End loading (kg)	100	100	300	200	100	400	280	120	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	7300	7400	8400	
Max. boom height (mm)	Fixed A	410	395	705	705	735	705	765	765	848	815
	Movable B	515	500	805	805	825	805	865	865	948	915
Total height (mm)	Fixed C	2205	3035	4850	5850	6890	6070	7130	8130	8400	9230
	Movable D	2310	3140	4960	5960	6980	6170	7230	8230	8500	9350
Column rotate lock	Manual								Air pressure		

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