

OTC DAIHEN ROBOTIC WELDING BUYER'S GUIDE

UPDATED 2022

MODEL	Cobot	ED-ARC	ECO-ARC						PT-ARC		SERVO-ARC				DT-ARC			ROTA-ARC			TRI-ARC		
	100	mini	200	200B	200L	200LB	290	600	600B	600	600B	720	720B	250	500	1000	250	500	1000	1000			
STARTING PRICE	\$87K	\$60K	\$95K	\$135K	\$111K	\$170K	\$135K	\$165K	\$190K	\$178K	\$209K	\$157K	\$212K	\$160K	\$179K			\$209K	\$213K	\$221K	\$296K		
STATION LAYOUT	Single Station	Single Station	Dual Station						Single-Station Load / Unload						2-Station Load / Unload			Single-Station Load / Unload					
																	90°	120°	180°				
WELD WHILE TENDING	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
TABLE TOP AREA	3' x 4'	2' x 2.4'	2' x 2.4' / side	2' x 2.6' / side	3' x 4' / side				60" diam. table = 20ft²			72" diam. table = 28ft²											
MAX PART VOLUME ***	18ft³	18ft³	9ft³ / side	10ft³ / side	32ft³ / side	12.6ft³ / side			19ft³ / side			33ft³ / side		55ft³ / side	83ft³ / side	111ft³ / side	42ft³ / side	55ft³ / side	122ft³ / side				
DUAL ROBOTS	X	X	X	X	X	X	X	X	X	X	X	X	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	
TRI ROBOTS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	✓			X			✓	
PART PAYLOAD								250kg	250kg	250kg	250kg	250kg	250kg	250kg	250kg	500kg	1000kg	250kg	500kg	1000kg	1000kg		
HS/TS MIN SPAN								1219mm									1000mm	1500mm	1500mm	1500mm			2000mm
HS/TS MAX SPAN								1219mm									2000mm	3000mm	4000mm (opt*)	1500mm	2000mm (opt)	4000mm (opt*)	
HS/TS SWING DIAMETER								609.6mm								1000mm			1000mm			1050mm	
HS/TS MAX SWING DIAMETER								609.6mm								84" (2134mm) (opt**)			35" (900mm)	60" 1524mm (opt**)	60" 1524mm (opt**)		

* requires dual or triple robots to effectively reach entire span
 ** may reduce HS/TS payload as low as 250kg
 *** part + fixture must remain under max payload
 Definition: HS/TS is Headstock/Tailstock positioner combination