OTC DAIHEN ROBOTIC WELDING BUYER'S GUIDE

MODEL	Cobot	ED-ARC	ECO-ARC				PT-ARC		SERVO-ARC				DT-ARC			ROTA-ARC			TRI-ARC
		100	200	200B	200L	200LB	600	600B	600	600B	700	700B	250	500	1000	250	500	1000	1000
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 2.6' / side		3' x 4' / side		60" diam. table = 20ft²				72" diam. table = 28ft²								
MAX PART VOLUME ***	18ft³	18ft³	10ft³ / side		32ft³ / 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		✓	✓	✓	✓	✓
TRI ROBOTS	X	X	X	X	X	X	X	X	X	X	X	X	X		✓	X			✓
PART PAYLOAD							250kg	250kg	250kg	250kg	250kg	250kg	250kg	500kg	1000kg	250kg	500kg	1000kg	1000kg
HS/TS MIN SPAN													1000mm	1500mm	1500mm	1500mm			2000mm
HS/TS MAX SPAN													2000mm	3000mm	4000mm (opt*)	1500mm		2000mm (opt)	4000mm (opt*)
HS/TS SWING DIAMETER													1000mm			1000mm			1050mm
HS/ TS MAX SWING DIAMETER													2134mm			900mm		1524mm	1524mm

* 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