



MACHINING CENTER SPECIFICATIONS CHART (IMPERIAL)

Model	PROFILE SERIES								PANEL SERIES				
	TK 440	TK 426/1	TK 426/3	TK 427	TK 427N	TK 441	TK 442	TK 428	TK 419	TK 429	TK 429/2	TK 429V2	
Design	single column	gantry	gantry	gantry	gantry	gantry	gantry	gantry	gantry	gantry	gantry	gantry	
Machinable dimensions (mm) "_" indicates longer available	X axis	143.7	157.5	122.0 - 311.0	137.8+	131.0+	137.8+	259.8+	137.8+	78.7	157.5+	157.5+	163.0+
	Y axis	7.9	10.6	11.8	19.7	19.7	29.5	29.5	31.5	63.0	59.1	78.7	39.4+
	Z axis	7.9	8.7	8.7	8.7	8.7	11.8	11.8	11.8	3.9	7.5	7.5	7.5
	B axis (-90° - 90°)					15.7Y x 8.7Z	27.5Y x 11.8Z	25.6Y x 11.8Z					
	C axis (0° - 360°)							S			O	O	O
Axis speeds (inch/min., deg./sec.)	X axis	3,071	1,575	2,953	3,150	3,071	3,150	3,150	3,150	2,362	2,756	2,756	2,756
	Y axis	1,102	295	1,102	1,181	1,102	2,244	2,165	1,181	2,362	1,969	1,969	1,969
	Z axis	1,102	295	1,102	1,181	1,575	1,575	1,181	1,181	787	1,181	1,181	1,181
	B axis					116	116	86					
	C axis							86					
Vice clamps	S	S	S	S	S	S	S	S			O	O	O
Dual vice clamps				O	O	O	O	O					
Clamps auto position				O	S	S	S						
Rotating Clamps	S	O	O	O				O					
Indexing spindle	S												
Spindle HP/Max. RPM*	6.7 / 18K	7.4 / 18K	7.4 / 18K	8 / 18K	7.4 / 18K	8 / 18K	13.4 / 22K	8 / 18K	5.1 / 18K	7.4 / 18K	7.4 / 18K	7.4 / 18K	
Suction bed									S			S	
Suction cups bed										O	O		
Dust collection kit								O	S	O	O	O	
Auto tool change	S	S	S	S	S	S	S	S	S	S	S	S	
Tool capacity	5	4 - 8	12 - 16	9 - 18	9	9 - 18	9 - 18	9 - 18	10	8	8	8	
Tool length sensor	S		S	S	S	S	S	S	S	S	S	S	
Angle heads	1		1	1 - 4	1	1 - 2		1 - 4			1 - 2	1 - 2	
OS	Win XP	Win XP	Win XP	Win XP	Win XP	Win XP	Win XP	Win XP	Win XP	Win XP	Win XP	Win XP	
Conversational software	S	S	S	S	S	S	S	S	S	S	S	S	
2D CAM	O	O	O	O	O	O	O	O	O	O	O	O	
3D CAM	O	O	O	O	O	O	O	O	O	O	O	O	
Conveyor			O	O	O	O	O	O		O	O		
Collision indication	O	O	O	O	S	S	S	O					
Sound deadening		O	O	O	O	O	O	O					
Segmented work area			S	S	S	S	S	S		S	S	S	
Venturi coolant system	S	S	S										
Minimal coolant system	O	O	O	S	S	S	S	S	S	S	S	S	
Laser datum sensor	O		O	O	O	O	O	O	O	O	O	O	
Bar code reading	O	O	O	O	O	O	O	O	O	O	O	O	
Probing system				O	O	O	O						
UPS	O		O	O	O	O	O	O	O	O	O	O	
Remote control				O	O	O	O	O		O	O	O	

*Higher power and RPM spindle motors are available by request

S = Standard O = Optional = Not available