



MACHINING CENTER SPECIFICATIONS CHART (METRIC)

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	3650	4000	3100 - 7900	3500+	3350+	3500+	6600+	3500+	2000	4000+	4000+	4140+
	Y axis	200	270	300	500	500	750	750	800	1600	1500	2000	1000+
	Z axis	200	220	220	220	220	300	300	220	100	190	190	190
	B axis (-90° - 90°)						400Y x 220Z	700Y x 300Z	650Y x 300Z				
	C axis (0° - 360°)							S			O	O	O
Axis speeds (m/min., deg./sec.)	X axis	78	40	75	80	78	80	80	80	60	70	70	70
	Y axis	28	7.5	28	30	30	57	55	30	60	50	50	50
	Z axis	28	7.5	28	30	40	40	30	30	20	30	30	30
	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 kW/Max. RPM*	5 / 18K	5.5 / 18K	5.5 / 18K	6 / 18K	5.5 / 18K	6 / 18K	10 / 22K	6 / 18K	3.8 / 18K	5.5 / 18K	5.5 / 18K	5.5 / 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	
Macros programming	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