

Specification tables

PUMA 2100 series

PUMA 2100 series		Unit	Specifications					
			PUMA 2100/L	PUMA 2100M/LM	PUMA 2100MS/LMS	PUMA 2100S/LS	PUMA 2100Y/LY	PUMA 2100YS/LSY
(1) Capacity								
Swing over bed	mm	780	780	780	780	780	780	
Swing over saddle	mm	630	630	630	630	630	630	
Recom. turning diameter	mm	210	210	210	210	210	210	
Max. turning diameter	mm	480	406	406	480	406	406	
Max. turning length	mm	520 / 760	520 / 760	520 / 760	520 / 760	520 / 760	520 / 760	
Bar working diameter	mm	65	65	65	65	65	65	
(2) Spindle								
Spindle speed (Belt Type)	r/min	4500	4500	4500	4500	4500	4500	
Spindle speed (Built-in Type)	r/min	-	-	-	-	5000	5000	
Spindle nose		ASA A2#6	ASA A2#6	ASA A2#6	ASA A2#6	ASA A2#6	ASA A2#6	
Spindle bearing diameter(Front)	mm	120	120	120	120	120	120	
Spindle through hole diameter	mm	76	76	76	76	76	76	
Min. spindle indexing angle (C-axis)	deg	-	0.001deg	0.001deg	-	0.001deg	0.001deg	
Sub Spindle speed (Belt/Built-in)	r/min	-	-	-	-	-	4500[6000]	
Sub Spindle nose		-	-	-	-	-	ASA A2-5	
SuB Spindle bearing diameter (Front)	mm	-	-	-	-	-	90	
SuB Spindle through hole diameter	mm	-	-	-	-	-	62	
Min. Sub spindle indexing angle (C-axis)	deg	-	-	-	-	-	0.001	
(3) Turret								
No. of tool stations		12	12[24]	12[24]	12	12[24]	12[24]	
OD tool size	mm	25	25[20]	25[20]	25	25[20]	25[20]	
Boring bar diameter	mm	50	40[32]	40[32]	50	40[32]	40[32]	
Indexing time(1st swivel time)	s	0.15	0.15	0.15	0.15	0.15	0.15	
Rotary tool spindle speed	r/min	-	5,000	5,000	-	5,000	5,000	
(4) Carriage								
Travels	X-axis travel	mm	260(20+240)	260(57+203)	260(58+203)	260(20+240)	260(57+203)	260(57+203)
	Z-axis travel	mm	590 / 830	590 / 830	590 / 830	590 / 830	590 / 830	590 / 830
	Y-axis travel	mm	-	-	-	-	102(±51)	102(±51)
	B-axis travel	mm	-	-	590 / 830	590 / 830	-	590 / 830
Feedrate	Rapid traverse (X-axis)	m/min	30	30	30	30	30	30
	Rapid traverse (Z-axis)	m/min	30	30	30	30	30	30
	Rapid traverse (Y-axis)	m/min	-	-	-	-	10	10
	Rapid traverse (B-axis)	m/min	-	-	30	30	-	30