



PUMA TT1800SY



PUMA MX2500ST



VC 400



MV 4020



MV 6030



HC 400



HP 5100



HM 800

The Optimal Machine Tool Solution

**SPEED
POWER
PERFORMANCE**

Twin Turret & MX Turning Centers

Machine Model	Chuck Size(in.)	Bar Capacity(in.)	Swing Over Bed(in.)	Swing Over Carr.(in.)	Maximum Turn Dia.(in.)	Maximum Turn Len.(in.)	Spindle Motor HP	Spindle Speed(rpm)	Sub Spindle(rpm)	Milling Spindle(rpm)	Rotary Tool(rpm)	Number of Tools Upper	Number of Tools Lower	X axis IPM Rapid Traverse	Z axis IPM Rapid Traverse
PUMA TT1500SY	6	2	N/A	9.05	9.05	29	20	6,000	6,000	N/A	5,000	12	12	787	1,574
PUMA TT1800SY	8	2.625	N/A	9.05	9.05	20	30	5,000	5,000	N/A	5,000	12	12	787	1,574
PUMA TT2500SY	10	3	31.5	24.41	15.35 / 11.81	29.1	35	3,500	3,500	N/A	4,000	12	12	787	945
PUMA TL2000	8.25	2.625	23.62	16.92	14.56 / 9.44	23.62	25	5,000	-	N/A	N/A	12	8	787	945
PUMA TL2500L	10	3	23.62	16.92	14.56 / 9.44	39.37	35	3,500	-	N/A	N/A	12	8	787	945
PUMA MX2100ST	8	2.8	29.5	23.6	21.25	52.5***	30	5,000	5,000	12,000	5,000	40 (80)	12	1,417	1,417
PUMA MX2100LST	8	2.8	29.5	23.6	21.25	72***	30	5,000	5,000	12,000	5,000	40 (80)	12	1,417	1,417
PUMA MX2500LT	10-12	3	29.5	23.6	21.25	69.1	35	3,500	-	10,000	4,000	40 (80)	12	945	945
PUMA MX2500ST	10-12	3	29.5	23.6	21.25	52.9***	35	3,500	3,500	10,000	4,000	40 (80)	12	945	945
PUMA MX2500LST	10-12	3	29.5	23.6	21.25	72.5***	35	3,500	3,500	10,000	4,000	40 (80)	12	945	945
PUMA MX3000S	10-12	3	29.5	23.6	21.25	72.5***	40 / 35	3,000	3,000	10,000	-	40 (80)	12	945	945

Automation Turning Centers

Machine Model	Chuck Size(in.)	Standard Load Time(sec.)	Max Work Pc Length(in.)	Max Work Pc Diameter(in.)	Max Shaft Length(in.)	Max Shaft Diameter(in.)	Max Weight Lbs	Work Stocker Pallets	Spindle Motor HP	Number of Tools	X axis IPM Rapid Traverse	Z axis IPM Rapid Traverse	Y Axis IPM Rapid Traverse
Lynx 220A-GL	6.25	11.5	3.54	5.9	N/A	N/A	11	14	20	12	N/A	3,937	3,937
PUMA 240B-GL	8.25	13	5.9	8.26	8.0	3.1	22	14	25	12	N/A	3,937	3,937
PUMA 240MBGL	8.25	13	5.9	8.26	8.0	3.1	22	14	25	12	N/A	5,900	5,900
PUMA 2000LSY-GL	8.25	13	5.9	8.26	8.0	3.1	22	14	20	12	N/A	3,937	5,900
PUMA 2500LSY-GL	10	13	5.9	8.26	8.0	3.1	22	14	30	12	N/A	3,540	5,900
PUMA 2500SY-GL	10	16	6.3	9.5	N/A	N/A	30	14	25	12 / 12	N/A	3,937	3,543
PUMA TT2000SY-GL	8.25	13*	3.2	10	N/A	N/A	33	14	25	12 / 12	N/A	3,937	3,937
PUMA IV3000	12	18	7.9	12	N/A	N/A	220**	10-20-30	30	12	1,800	1,200	N/A
PUMA IV3000M	10	18	7.9	10	N/A	N/A	220**	10-20-30	30	12	1,800	1,200	N/A

* Time may vary based on part configuration ** Includes chuck *** Distance between spindle noses

Vertical Machining Centers

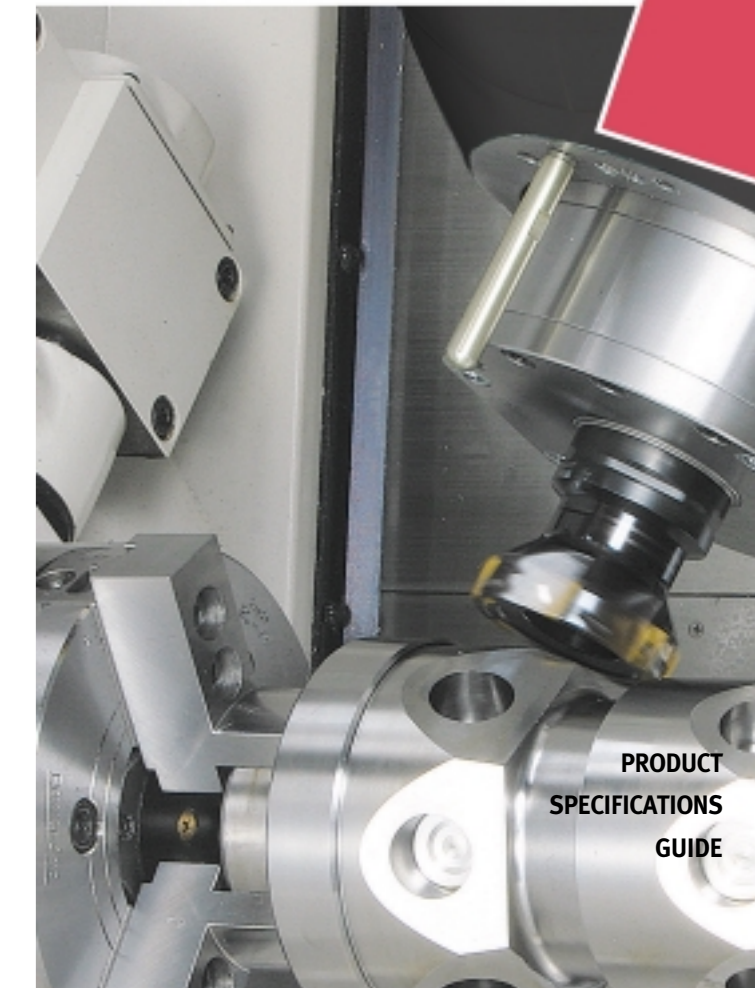
Machine Model	X/Y/Z Axis Travel (in.)	Table Load (lbs.)	Table Size (in.)	Spindle Speed (rpm)	Spindle Motor (HP-30 min)	Tool Shank (CAT #)	X/Y Rapid Traverse (ipm)	Z Rapid Traverse (ipm)	Cutting Feed Rate (ipm)	Number of Tools
VC 400	22.0 / 15.7 / 22.4	2-660*	2 - 28.0 x 18.7*	12,000	25	40	1,575	1,260	.04-630	32 (40)
VC 500	29.9 / 20.1 / 22.4	2-660*	2 - 33.8 x 22.0*	10,000	20	40	1,575	1,260	.04-630	30
MV 3016L	30.0 / 16.1 / 20.1	1,320	36.2 x 16.9	8,000 (12,000)	15	40	1,417	1,260	.04-630	30
MV 3016	32.2 / 16.1 / 20.1	1,320	39.3 x 17.7	8,000	15	40	1,181	945	.04-472	24
MV 4020L	40.2 / 20.1 / 24.6	1,760	47.2 x 19.7	12,000 (15,000)	21 (30)	40	1,474	1,181	.04-590	30
MV 4020	40.0 / 20.1 / 24.6	1,760	47.2 x 19.7	8,000 (12,000)	20 (25)	40 (50)	1,181	945	.04-472	30 (24)
MV 5025	51.1 / 25.6 / 24.6	2,200	55.1 x 25.6	12,000 (6,000)	20 (30)	40 (50)	945	787	.04-393	30 (30)
MV 6030	60.0 / 30.0 / 24.6	3,300	29.5 x 63	12,000 (6,000)	35 (30)	40 (50)	1,181	945	.04-472	40 (40)
MV 8035	78.7 / 36.4 / 33.5	8,818	86.6 x 35.4	6,000	35	50	630	630	.04-315	40
MV 8035s	78.7 / 35.4 / 33.5	8,818	86.6 x 35.4	8,000	40	50	630	630	.04-315	40

*specifications given per table side () denotes option

Horizontal Machining Centers

Machine Model	X/Y/Z Axis Travel (in.)	Pallet Load (lbs.)	Pallet Size (in.)	Spindle Speed (rpm)	Spindle Motor (HP-30min)	Tool Shank (CAT #)	X / Z Rapid Traverse (ipm)	Y Rapid Traverse (ipm)	Cutting Feed Rate (ipm)	Number of Tools
HC 400	23.6 / 22.0 / 22.2	880	15.75 x 15.75	10,000	35	40	1,575	1,575	.04-787	40 (60)
HP 4000	23.6 / 22.0 / 23.6	880	15.75 x 15.75	14,000	30 (15min)	40	2,362	2,362	.04-1,181	60 (120, 170)
HP 5100	33.4 / 27.6 / 29.5	1,100	19.7 x 19.7	14,000	30 (15min)	40	2,362	2,362	.04-1,181	60 (120, 170)
HP 5500	31.5 / 27.5 / 29.5	1,760	19.7 x 19.7	10,000	40	50	1,890	1,890	.04-945	60 (100, 196)
HP 6300	39.4 / 33.5 / 33.5	2,640	24.8 x 24.8	10,000	40	50	1,890	1,890	.04-945	60 (100, 196)
HM 500	31.5 / 25.6 / 25.6	1,760	19.7 x 19.7	6,000	25	50	945	945	.04-472	60 (90, 120)
HM 630	39.4 / 31.5 / 33.5	2,640	24.8 x 24.8	6,000	30	50	945	945	.04-472	60 (90, 120)
HM 800	49.2 / 39.4 / 39.4	3,520	31.5 x 31.5	6,000	30	50	945	945	.04-472	60 (90, 120)
H 1000	82.7 / 49.2 / 49.2	6,600	39.4 x 39.4	6,000	30	50	945	945	.04-197	60 (90, 120)
DB 130CX	118.1 / 78.7 / 63.0	33,000	63.0 x 70.9	2,500	40	50	394	394	.04-157	60

() denotes option



PRODUCT
SPECIFICATIONS
GUIDE



Lynx 220



PUMA 240MS



PUMA 300L



PUMA 400



PUMA 700LM



PUMA 2000SY



PUMA V550

Turning Centers

Machine Model	Chuck Size (in.)	Bar Capacity (in.)	Swing Over Bed (in.)	Swing Over Carr. (in.)	Maximum Turn Dia. (in.)	Maximum Turn Len. (in.)	Spindle Motor HP	Spindle Speed (rpm)	Sub Spindle (rpm)	Rotary Tool (rpm)	Number of Tools	X axis IPM Rapid Traverse	Z axis IPM Rapid Traverse
Lynx 220A	6.5	1.75	20.1	11.4	12.6	12.7	20	60-6,000			12	1,181	1,417
Lynx 220C	8.25	2.6	20.1	11.4	12.6	12.0	20	45-4,500			12	1,181	1,417
Lynx 220LC	8.25	2.6	20.1	11.4	12.6	20.7	20	40-4,000			12	1,181	1,417
Lynx 220LM	6.5	2.0	20.0	11.4	9.8	20.0	20	60-6,000	60-6,000		12	1,181	1,417
Lynx 220G	6.5	1.75	23.2	6.69	6.6	14.2	20	60-6,000			Gang	1,181	1,417
PUMA 240B	8.25	2.625	21.7	15.4	13.8	22.1	25	45-4,500			12 (10 opt)	945	1,200
PUMA 240C	10	3.0	21.7	15.4	13.8	21.6	25	35-3,500			12 (10 opt)	945	1,200
PUMA 240MB	8.25	2.625	21.7	15.4	11.4	20.1	25	45-4,500	50-5,000		12	945	1,200
PUMA 240MC	10	3.0	21.7	15.4	11.4	19.7	25	35-3,500	50-5,000		12	945	1,200
PUMA 240MSB	8.25	2.625	21.7	15.4	11.4	20.1	25	50-5,000	60-6,000	50-5,000	12	945	1,200
PUMA 240MSC	10	3.0	21.7	15.4	11.4	19.7	25	35-3,500	60-6,000	50-5,000	12	945	1,200
PUMA 280 / L	10	3.0	24.8	19.68	16.6	25.9 / 42.4	30	35-3,500			12 (10 opt)	787	945
PUMA 280M / LM	10	3.0	24.8	19.7	16.1	24.0 / 40.5	30	35-3,500		50-5,000	12	787	945
PUMA 300C / LC	12	4.0	23.2	17.7	15.7	24.8 / 50.4	35	28-2,800			12 (10 opt)	630	945
PUMA 300MC / LMC	12	4.0	23.2	17.7	14.0	24.5 / 48.5	30	28-2,800		40-4,000	12	630	945
PUMA 300MSC	12	4.0	23.2	17.7	14.0	24.5	30	28-2,800	45-4,500	40-4,000	12	630	945
PUMA 400B / LB	12-18	4.6	30.3	23.2	21.7	41.1 / 82.4	50	20-2,000			12	630	790
PUMA 400C / LC	12-21	6.5	30.3	23.2	21.7	40.0 / 81.7	50	15-1,500			12	630	790
PUMA 400MB / LMB	12-18	4.6	30.3	23.2	22.0	38.5 / 79.8	50	20-2,000		3,000	12	630	790
PUMA 400MC / LMC	12-21	6.5	30.3	23.2	22.0	37.8 / 79.1	50	15-1,500		3,000	12	630	710
PUMA 480 / L	18-24	6.5	35.4	24.8	25.6	40.0 / 80.4	60	15-1,500			12	630	790 / 710
PUMA 700 / L	21-36	6.5	40.5	31.5	35.4	63.0 / 126	60	3-1,500			12	400	630
PUMA 700M / LM	21-36	6.5	40.5	31.5	35.4	63.0 / 126	60	3-1,500		30-3,000	12	400	630
PUMA 800 / L	self cont.	12.5	40.5	31.5	35.4	63.0 / 126	60	3- 750			12	400	630

() denotes option

Y-Axis Turning Centers

Machine Model	Chuck Size (in.)	Bar Capacity (in.)	Swing Over Bed (in.)	Swing Over Carr. (in.)	Maximum Turn Dia. (in.)	Maximum Turn Len. (in.)	Spindle Motor HP	Spindle Speed (rpm)	Sub Spindle (rpm)	Rotary Tool (rpm)	Number of Tools	X axis IPM Rapid Traverse	Z axis IPM Rapid Traverse	Y Axis IPM Rapid Traverse
PUMA 1500SY	6.5	1.75	23.6	21.6	13.0	20.8	10	60-6,000	60-6,000	50-5,000	12	790	945	295
PUMA 2000Y	8.25	2.625	23.6	21.6	13.0	20.1	20	45-5,000	-	50-5,000	12	790	945	295
PUMA 2000SY	8.25	2.625	23.6	21.6	13.0	20.0	20	45-5,000	60-6,000	50-5,000	12	790	945	295
PUMA 2500LY	10	3	23.6	21.6	13.0	29.5	30	35-3,500	-	50-5,000	12	790	945	295
PUMA 2500XLY	10	3	23.6	21.6	13.0	50.0	30	35-3,500	-	50-5,000	12	790	945	295
PUMA 2500LSY	10	3	23.6	21.6	13.0	29.5	30	35-3,500	60-6,000	50-5,000	12	790	945	295

Vertical Turning Centers

Machine Model	Chuck Size(in.)	Max Swing Diameter(in.)	Swing Over Carriage(in.)	Max Turning Diameter(in.)	Maximum Turn Length(in.)	X Axis Stroke(in.)	Z Axis Stroke(in.)	Spindle Motor HP	Spindle Speed(rpm)	Rotary Tool(rpm)	Number of Tools	X axis IPM Rapid Traverse	Z axis IPM Rapid Traverse
PUMA V400	10-15	24.0	19.7	19.5	18.1	10.6	19.2	30	3,000		12 (8 opt)	630	800
PUMA V400M	10-15	24.0	19.7	16.5	15.7	10.6	19.2	30	3,000	40-4,000	12 (BMT)	630	800
PUMA V550	15-24	31.5	19.3	28.7	29.5	15.4	31.0	50	20-2,000		12 (10 opt)	472	630
PUMA V550-2SP	15-24	31.5	19.3	28.7	29.5	15.4	31.0	50	20-2,000		12+12(10+10 opt)	472	630
PUMA V550M	15-24	31.5	19.3	30.3	29.5	19.3	31.0	50	20-2,000	30-3,000	12	472	630
VT 900	24-32	39.7	27.55	35.43	33.46	18.5	33.46	60	48-1,800		12	787	787
VT 1100	32-40	50.0	39.37	43.3	33.46	22.8	39.37	75	5- 850		12	787	787

The Optimal Machine Tool Solution

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