



SERVO MANUAL KNEE MILLS

MILL SPECIFICATIONS

SV 50 SPC

SV 54 SPC

Table	10" x 50"	12" x 54"
3 T-Slots	5/8" on 2-1/2" centers	5/8" on 2-1/2" centers
Travel		
Table travel	32"	33-1/2"
Cross travel with cover	15"	15-5/8"
Cross without way cover	16"	17"
Knee travel	16"	16"
Quill travel	5"	5"
Ram	17-3/4"	17-3/4"
Spindle nose to table	2" to 18"	3-1/2" to 19-5/8"
Throat depth (min/max)	4-1/2" to 24"	4-1/2" to 24"
Ways – table to cross	Dovetail	Dovetail
Ways – cross to knee	Dovetail	Square
Ways – knee to column	Dovetail	Square
Spindle		
Taper	R8 (NST 30 optional)	NST 40
Motor	3 hp, 220 VAC 3 phase, 60 Hz	5 hp, 220 VAC 3 phase, 60 Hz
Variable frequency Inverter drive	50-625 rpm back gear 500-5000 rpm direct	50-625 rpm back gear 500-5000 rpm direct
Quill feeds	.0015, .003, .006	.0015, .003, .006
Quill diameter	3-3/8"	4-1/8"
Spindle runout max	.0002"	.0002"
Head tilt left to right	90°	90°
Head tilt front to back	45°	45°
Dimensions		
Floor area W x D	72" x 60"	80" x 65"
Height	81"	87"
Weight	2,750 lbs. approx.	3,630 lbs. approx.
Table load (max)	770 lbs.	1,200 lbs.



SV 50 SPC

(Shown with power feeds mounted on X & Y axis)

STANDARD MILL FEATURES

- | | |
|---|--|
| <ul style="list-style-type: none"> • Prewired electrical box integrating E-stop for all functions • Precision ground 1 1/4" dia. ball screws (X & Y axis) • Angular contact bearings (X & Y axis) • Hardened and ground quill with hard chrome plating • Quill return spring made in USA • Hardened and ground precision back gear • Hardened and ground ways, column and knee • Rulon® on table and cross ways | <ul style="list-style-type: none"> • Inverter head drive for low maintenance • Automatic way lubrication system with alarm • Matched pair of Fafnir ABEC7 angular contact spindle bearings • Wipers (4) under table and retractable rear way cover • High tensile Meehanite cast iron • Halogen lamp (110 volt) • Fan mounted in head for additional cooling • Chip tray |
|---|--|

OPTIONS

- | | |
|--|--|
| <ul style="list-style-type: none"> • Servo Type 140 Power Feed for knee (SV 50 SPC) • Servo Type 150 Power Feeds for table and cross • Power drawbar • Flood coolant • Servo Turbo Drive for knee (SV 50 SPC or SV 54 SPC) • 2-axis or 3-axis DRO from Acu-Rite, Anilam, Newall, or Sony • Riser blocks - 4", 6", 8" <p>SV 50 SPC TOOLING PACKAGE #1</p> <ul style="list-style-type: none"> • 15 Piece R8 collet set 1/8"-1" x1/16", 52 Piece clamping kit & 6" Precision milling vise <p>SV 50 SPC TOOLING PACKAGE #2</p> <ul style="list-style-type: none"> • Tooling package #1+ Servo Type 140 Power Feed for knee & 2-axis DRO (Acu-rite Micro-Line, Anilam 211 or Newall C70) | <p>SV 50 SPC TOOLING PACKAGE #3</p> <ul style="list-style-type: none"> • Tooling package #1 + Servo Type 140 Power Feed for knee & 3-axis DRO (Acu-rite Micro-Line, Anilam 211 or Newall C70) <p>SV 54 SPC TOOLING PACKAGE #1</p> <ul style="list-style-type: none"> • 52 Piece clamping kit & 6" Precision milling vise <p>SV 54 SPC TOOLING PACKAGE #2</p> <ul style="list-style-type: none"> • Tooling package #1+ Servo Turbo Drive Knee Feed & 2-axis DRO (Acu-rite Micro-Line, Anilam 211, Newall C70, or Sony Millman) <p>SV 54 SPC TOOLING PACKAGE #3</p> <ul style="list-style-type: none"> • Tooling package #1+ Servo Turbo Drive Knee Feed & 3-axis DRO (Acu-rite Micro-Line, Anilam 211, Newall C70, or Sony Millman) |
|--|--|

Another quality product from "America's Power Feed Manufacturer"

SERVO PRODUCTS COMPANY

CALIFORNIA BRANCH

14254 Valley Blvd., Unit A
City of Industry, CA 91746
Ph. 626.961.7800 Fax 626.961.2444

HEADQUARTERS

34940 Lakeland Blvd.
Eastlake, OH 44095
Ph. 440.942.9999 Fax 440.942-9100

FLORIDA BRANCH

8950 131st Ave. N.
Largo, FL 33773
Ph. 727.585.8555 Fax 727.585.6555