

SP180 - 280



- Solid machine base and bed guarantee high machine rigidity.
- Distortions of mechanical machine parts are verified by means of a numerical finite elements method – FEM.
- Dynamics and stability of axis motion are checked by means of advanced computation methods.
- Spindle units enable machining with the high performance.
- Synchronous integrated spindle motors provide the high dynamics of spindle functions and a powerful rotary axis C.
- Carriages use linear guide axes, the right headstock or tailstock body moves on the rolling guideways and guarantee high accuracy of positioning and interpolated motion of axes and carriages
- Programmable tailstock displacement reduces interventions of operating staff in machining process otherwise needed.
- Optional applicable state-of-the-art control systems by SINUMERIK 840D sl, GE FANUC 0i and GE FANUC 30i guarantee excellent control properties and programmer comfort.
- The machines meet your expectations in terms of easy operation including integrated programming at workshop



KOVOSVIT MAS
machine your future

	SP180	SP280
<u>Axis information</u>		
Swing over bed	20.8"	22.4"
Swing over cross carriage		
Distance between centers	14.2"	21"
Max. work piece weight	220 lbs	220 lbs
<u>Main Spindle</u>		
Spindle nose DIN 55027	A6	A6 / A8
Spindle bore	2.48"	2.48" / 3"
Spindle taper – metric		
<u>Main drive</u>		
Power output	40 hp	44 hp
Automatic two stage gearbox		
Spindle speed range	4700 rpm	4000 / 4700
Spindle speed range 1. stage		
Spindle speed range 2. stage		

Max. torque 1.stage	168 ft lbs	302 / 371 ft lbs
Max. torque 2.stage		
<u>X axis</u>		
Max. travel	6.5"	9.6"
Fast feed	1179 ipm	1179 ipm
<u>Z axis</u>		
Max. travel	18.9"	25"
Fast feed	1179 ipm	1179 ipm
<u>Turret</u>		
MULTIFIX D		
Max. tool cross section		
turret positions	12	12
Max. tool cross section	20 x 20	25 x 25
<u>Tailstock</u>		
Sleeve diameter		
Sleeve stroke	13.7 "	19.6"
Sleeve taper Morse	5	5
