

SPH 50 Series



Modular design of the machine effective machining of long and heavy shafts. On customer's demand, the lathes are available in more versions with different turning length and combination of used carriages and rests. This variable production range enables customer to choose the optimum machine configuration adapted to economical solution of its specific technological requirements. The CNC lathe Model SPH 50 CNC represents the heavy variant of these lathes, advantageous for roughing turning operations. The machine Model SPH 50DCNC extends the production range of machines in this category as an universal lathe operations for precise turning jobs and power machining it can be profitably utilized for finishing. Graphic simulation of machining. Possibility of machining by means of manual control as on conventional lathe or via automatic cycles with CNC system support running on the basis of fixed cycles. Program can be written as contour programming or DIN programming.



	SPH50	SPH50D	SPH50S
Swing over bed	29.9" (35.8")	29.9"	29.9"
Max. dia. right/left saddle turning	20.8"/20.8"	20.8"/ 15.7"	20.8"/ 15.7"
Min. turning length	118"	98.4"	98.4"
Max. workpiece weight	5500 lbs	5500 lbs	5500 lbs
Spindle bore	4.9"		
Drive motor output S1 hp	134	80	37
Spindle speed range	20-2100	20-2800	20-2800
Auxiliary counter spindle (electrospindle)			
Spindle nose			A8
Spindle bore			2.5"
Output of the spindle			29/37 hp
Torque (S1/S6-40%)			221/280 ft lbs
Spindle speed range		12.8"	20-40000
X-axes – max. travel	8.8" (20")	11"(0-20.8")	11"(0-20.8")
Z-axes – max. travel	93"	103"	102"
U-axes – max. travel	8.8" (20")	7.8" (15.7)	7.8" (15.7)
W-axes – max. travel	70.8"	79.9"	79.9"
Axes Q – max. travel	67"	73.2"	11.8"