

SLV EDU

CNC MACHINE FOR SCHOOLS



SLV EDU 3AXIS Siemens				SLV EDU 5AXIS SIEMENS	
Control system					
Sinumerik ONE PPU1740_1900		Type			Sinumerik ONE PPU1740_1900
19"		Screen			19"
Power drives					
Siemens		Servo drives			Siemens
1,15	Nm	X axis		Nm	1,15
1,15	Nm	Y axis		Nm	1,15
1,15	Nm	Z axis		Nm	1,27
–	–	A axis		Nm	2
–	–	C axis		Nm	2
Travel range					
365	mm	X axis – saddle		mm	241
400	mm	Y axis – cross member		mm	396
185	mm	Z axis – spindle		mm	244
–	–	A axis – cradle		± °	110/100 (210)
–	–	C axis– rotating table		± °	360
Worktable					
476 × 400	mm	Dimensions		mm	ø 200
M8 holes following a 50 × 50 distribution pattern	mm	Clamping system			T-grooves
Workpiece – semi-finished product					
AL alloys, plastics, Ebalta (Resin)		Semi-finished product material			AL alloys, plastics, Ebalta (Resin)
400 × 350 × 160	mm	Max. dimension of semi-finished product		mm	200 × 200 × 160
		Maximum weight of semi-finished product		kg	10
Spindle					
IMT Eco 80 VA83		Spindle type			IMT Eco 80 VA83
Clamping cone ISO20 / BT20	kW	Clamping range		kW	Clamping cone ISO20 / BT20
1,5	kW	Power output (S1 - 100%) / (S6 - 40%)		kW	1,5
100–24 000	min ⁻¹	RPM range		min ⁻¹	100–24 000
0,6	Nm	Torque		Nm	0,6
65 / 250	mm	Min / Max distance of the spindle from the worktable		mm	15 / 250
Tool exchanger					
ATCH-9		Type			ATCH-9
9	unit	Number of tool beds		unit	9
Movements					
0–10 000	mm/min	Operational feed		mm/min	0–10 000
0–10 000	mm/min	Fast feed		mm/min	0–10 000
Accuracy					
Absolute		Measuring system			Absolute
± 0,005	mm	Repeatable accuracy		mm	± 0,02
± 0,05	mm	Geometrical accuracy		mm	± 0,15
Dimensions and weights					
2 013 × 880 × 940 / 2 100 × 1 600 × 1 200	mm	Basic/transport dimensions (H × W × L)		mm	2013 × 880 × 940 / 2 100 × 1 600 × 1 200
2 013 × 1 570 × 940	mm	Machine dimensions with tool holder (H × W × L)		mm	2013 × 1 570 × 940
300	kg	Machine weight		kg	350
Connection to electrical power supply					
The source of electrical power and connection of electrical power to the machine must be provided by the machine operator!					
400 / 50 (60)	VAC / Hz	Power supply		VAC / Hz	400 / 50 (60)
5	kW	Input		kW	5
3 × 16	A	Circuit breakers		A	3 × 16
Connection to pressurized air					
The source of pressurized air and connection of the air to the machine must be arranged by the machine operator!					
6–10	bar	Required air pressure at the machine inlet		bar	6–10
dry and filtered		Pressurized air requirements			dry and filtered
± 10	%	Pressure fluctuation		%	± 10
120	l/min	Air consumption		l/min	120
quick coupling 1/4"		Air coupling			quick coupling 1/4"