

SLV EDU

CNC MACHINE FOR SCHOOLS



SLV EDU Siemens

SLV EDU IMT

Control system

Sinumerik ONE		Type		Arem Pro
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Power drives

Siemens		Servo drives		TG Drives
1,15	Nm	X axis	Nm	1,15
1,15	Nm	Y axis	Nm	1,15
1,15	Nm	Z axis	Nm	1,15

Travel range

365	mm	X axis – saddle	mm	365
400	mm	Y axis – cross member	mm	400
185	mm	Z axis – spindle	mm	185

Worktable

476 × 400	mm	Dimensions	mm	476 × 400
M8 holes following a 50 × 50 distribution pattern	mm	Clamping system	mm	M8 holes following a 50 × 50 distribution pattern

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	400 × 350 × 160

Spindle

IMT Eco 80 VA83		Spindle type		IMT
Clamping cone ISO20 / BT20	kW	Clamping range	kW	Clamping cone ISO20 / BT20
1,5	kW	Power output (S1 - 100%) / (S6 - 40%)	kW	1,9 / 2,5
100 - 24 000	min-1	RPM range	min-1	100 - 24 000
0,6	Nm	Torque	Nm	0,8
65 / 250	mm	Min / Max distance of the spindle from the worktable	mm	65 / 250

Tool exchanger

9	unit	Number of tool beds	unit	9
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Movements

0 - 10 000	mm/min	Operational feed	mm/min	0 - 20 000
0 - 10 000	mm/min	Fast feed	mm/min	0 - 20 000

Accuracy

Absolute		Measuring system		Absolute
+/- 0,005	mm	Repeatable accuracy	mm	+/- 0,005
+/- 0,05	mm	Geometrical accuracy	mm	+/- 0,05

Dimensions and weights

2 013 × 880 × 940 / 2 100 × 1 600 × 1 200	mm	Basic/transport dimensions (H × W × L)	mm	2 000 × 770 × 940 / 2 050 × 1 510 × 1 200
2 013 × 1 570 × 940	mm	Machine dimensions with tool holder (H × W × L)	mm	2 000 × 1 510 × 940
300	Kg	Machine weight	Kg	300

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	1 × 230 / 50 (60)
5	kW	Input	kW	3
3 × 16	A	Circuit breakers	A	1 × 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 1/8"		Air coupling		quick coupling 1/8"