

# 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"