

SLV EDU

**REVOLUTION IN MACHINING EDUCATION
AT OUR SCHOOLS**



Control system

Type		TNC7
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Drive

Servomotors		TG Drives
x-axis	Nm	1,15
y-axis	Nm	1,15
z-axis	Nm	1,15

Travel range

x-axis – slide	mm	365
y-axis – crossbar	mm	400
z-axis – spindle	mm	185

Work bench

Dimensions	mm	476 × 400
Clamping system	mm	M8 thread in 50 × 50 grid

Workpiece - semi-finished product

Material of the semi-finished product		AL alloys, plastic, plastic wood
Maximum dimensions of the semi-finished product	mm	400 × 350 × 160

Spindle

Spindle type		IMT Eco 80 VA83
Clamping interface	kW	Clamping cone ISO20 / BT20
Power (S1 - 100%) / (S6 - 40%)	kW	1,5
Speed range	min-1	100 - 24 000
Torque	Nm	0,6
Min / Max spindle to table distance	mm	65 / 250

Tool magazine

Number of tool positions	pcs	9
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Feedrates

Working feed rate	mm/min	0 - 10 000
Speed feed rate	mm/min	0 - 10 000

Accuracy

Measuring system		Absolute
Repeatable Accuracy	mm	+/- 0,005
Geometric Accuracy	mm	+/- 0,05

Dimensions and weight

Machine base/transport dimensions (H × W × D)	mm	2 017 × 775 × 1 030 / 2 050 × 1 510 × 1 200
Dimensions of the machine with accessories (H × W × D)	mm	2 017 × 1 510 × 1 030
Machine weight	Kg	300

Connection to the mains

The power source and the power supply to the machine must be provided by the machine operator!

Power supply	VAC / Hz	3 × 230 / 50
Power consumption	kW	4,5
Protection		3F-16A-C

Connection to compressed air

The source of compressed air and its supply to the machine must be provided by the machine operator!

Required air pressure at machine inlet bar	Bar	6 - 10
Compressed air requirements		dry and filtered
Pressure fluctuation	%	+/- 10
Air consumption	l/min	120
Connection fitting		quick coupling 1/8"