

# SLV EDU

## 5AXIS SIEMENS

SLV EDU with new control system  
Sinumerik ONE



development and production



## Control system

Type	Sinumerik ONE PPU1740/NCU1750
Display	19"

## Power drives (servo drives)

Siemens	X axis	Nm	1,15
	Y axis		1,15
	Z axis		1,27
	A axis		2
	C axis		2

## Travel range

X axis – saddle	mm	250
Y axis – cross member	mm	360
Z axis – spindle	mm	235
A axis – cradle	+/-°	110/100 (210)
C axis – rotary table	+/-°	360

## Work table

Dimensions	mm	ø200
Clamping system		T-grooves

## Workpiece – semi-finished product

Semi-finished product material		Al alloys, nonferrous metal, plastics
Max. dimension of semi-finished product	mm	200×200×160
Max. weight of semi-finished product	Kg	10

## Spindle IMT Eco 80 VA83

Clamping range	-	Collet chuck ISO 20 / BT20
Power output 24 222 RPM	kW	1,5
RPM range	min <sup>-1</sup>	100 – 24 000
Torque	Nm	0,6
Min / Max distance of the spindle from the worktable	mm	15 / 250

## Automatic tool changer

Number of tool beds	pcs	9
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## Movements

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

## Accuracy

Measuring system		Absolute
Repeatable accuracy	mm	+/- 0,02
Geometrical accuracy	mm	+/- 0,2

## Dimensions and weights

Basic / Transport dimensions (H × W × L)	mm	2013 × 880 × 940 / 2050 × 1510 × 1200
Machine dimension with control system holder (H × W × L)	mm	2013 × 1500 × 940
Machine weight	kg	350

## Connection to electrical power supply\*

Power supply	VAC / Hz	400V
Input	kW	5
Circuit breakers	A	3 × 16

\* The source of electrical power and its supply to the machine must be provided by the machine operator!

## Connection to pressurized air (optional accessories)\*

Required air pressure at the machine inlet	bar	6 - 10
Compressed air requirements		Dry and filtered
Pressure fluctuation	%	+/- 10
Air consumption	l/min	120
Air coupling		Quick coupling 1/8"

\* The source of pressurized air and connection of the air to the machine must be arranged by the machine operator!