

TECHNICAL DATA
Precision Surface and Profile Grinding Machine

manufacturer	JUNG
type	JUTEC 635
built	1998



Grinding area

grinding length	600 mm
grinding width	350 mm
max. distance table to spindle centre	525 mm
max. table load	400 kg

X-axis – table length movement

table speed	2 - 28 m/min
table longitudinal <u>movement</u>	max. 660 mm
grinding path adjustment	manual by sliding elements
guideways	V- and flat guide
table drive	hydraulically

Y-axis – vertical movement grinding disk

Max. distance table to spindle axis	525 mm
rapid traverse	180 mm/min.
guideways	V- and flat guide
drive system	servomotor with ball screw

Z-axis – cross movement grinding disk

automatic cross movement	max. 360	mm	
crossing path automatic	3 - 40	mm	intermittently or continuously
hand wheel dividing cross	0,01	mm	1,2 mm per rotation
rapid traverse	1.000	mm/min.	
guideways			V- and flat guide
drive system			servomotor with ball screw

Grinding spindle

grinding spindle speed	1.00 – 3.000	1/min	
power	3,7 / 4,5	kW	
max. measures grinding wheel ($D_A \times B$)	300 x 50	mm	standard width: 25mm
inner bore	76,5	mm	

Straight dresser – above grinding wheel

control	Electrically with compensation
interface	automatically by push of button

Dimensions, weight

length x width x height	2,2 x 2,1 x 2,47	m
weight ca.	2.500	kg

Equipment

- coolant equipment (tank with feed pump), tank volume 80l
- electrical straight dresser with compensation
- magnetic plate supply system with adhesive force control via potentiometer
- ca. 8 pcs. grinding wheel flanges
- various grinding wheels