

# Technical data

Machine type	KEL-VERA		
Main specification	Universal	Universal for Flanged Parts (URF)	Production
<b>Technical data</b>			
CNC control system	GRINDplusIT / GE FANUC 310is		
Distance between centres	mm	400	400 / 750
Centre height with upper table	mm	175	
Centre height without upper table	mm		175
Mains voltage required	3 x 400V / 50 Hz / 3 x 460V / 60 Hz		
Power consumption depending on equipment	A		35 - 80
Space required	mm	2700 x 2100	
<b>Weight of workpiece</b>			
Between centres	kg	150	150 (300) / 150
Load on chucked work	Nm	160	320 (750) / 160
<b>Longitudinal slide: Z-axis</b>			
Travel	mm	600 / 900	
Rapid traverse speed	m/min	30	
Resolution	µm	0.1	
<b>Upper Table</b>			
Swiveling range of upper table	degree	9	
<b>Wheelslide: X-axis</b>			
Travel	mm	350	
Rapid traverse speed	m/min	15	
Resolution	µm	0.1	
<b>Swivel devices</b>			
Swiveling range	degree	240	240 / 0 / 30
Resolution B-axis	sec.	0.1	0.1
<b>Wheelhead</b>			
version	Universal / Diagonal / Tandem		Production
Drive motor	kW	10	15 / 20
Peripheral grinding wheel speed	m/s	45	< 80
Grinding wheel dimensions	mm	Ø 400 / 500 / Ø 500 / 600	
<b>Workhead</b>			
Rotational spindle speed	min-1	1 - 1000 (500)	
Driving torque spindle	Nm	60 (120)	
Spindle nose / internal taper	MT 5 / ASA 5		
Base part	Fix / adjustment / Micro-adjustment		
<b>Tailstock</b>			
Internal taper	MT 4		
Retraction of sleeve	mm	50	
Base part	Fix / Micro-adjustment		
<b>Clamping area upper table</b>			
Table mounted units	mm	195 x 1100	
<b>Clamping area table slide</b>			
Table mounted units	mm	195 x 1300 / 1500	
Upper table front side	mm	90 x 1300 / 1500	
<b>Clamping area cross slide</b>			
Support on cross-slide	mm	430 x 710	

All specifications and designs are subject to alterations without notice

**L. Kellenberger & Co.AG**

Heiligkreuzstrasse 28  
 9008 St.Gallen / Switzerland  
 Phone +41 (0)71 242 91 11  
 Fax +41 (0)71 242 92 22  
 www.kellenberger.com  
 info@kellenberger.net

**L. Kellenberger & Co.AG**

Längfeldweg 107  
 2500 Biel-Bienne 8 / Switzerland  
 Phone +41 (0) 32 344 11 52  
 Fax +41 (0) 32 341 13 93  
 www.kellenberger.com