Machine Name : Cylindrical grinder

Brand : Kellenberger

Machine Model : KELLENBERGER 1000

Stock No. : 4812901

Ex-factory Date : 2018

Main Technical Parameters:

CNC System: FANUC 31i-B
Machining Capacity
Distance between centers: 1000 / 1600 mm
Grinding length: 1000 / 1500 mm
Center height: 200 / 250 / 300 mm
Workpiece load between centers: 150 / 200 / 300 kg
Chuck clamping grinding load: 160 / 320 / 750 Nm
Electrical Parameters
Main power supply: 3 × 400V / 50Hz, 3 × 460V / 60Hz
Current requirement (depending on configuration): 35–63 A
Machine Dimensions
Floor space (L × W): 3600 × 2050 mm / 4600 × 2050 mm
Z-axis
Travel: 1170 / 1670 mm
Rapid feed rate: 20 m/min
Resolution: 0.00001 mm
X-axis
Travel: 365 mm
Rapid feed rate: 10 m/min
Resolution: 0.00001 mm
Grinding Wheel Headstock Rotation B-axis
Resolution / Repeatability: 0.00001° < 0.5″
Rotation range: Max. 240°
Grinding Wheel Headstock
Water-cooled motor drive power: 10 kW
Constant peripheral speed of grinding wheel: Max. 45 m/s
Universal Grinding Wheel Headstock
Left external grinding wheel mounting size: 400 / 500 mm
Right external grinding wheel mounting size: 300 / 400 / 500 mm
Front and Rear Grinding Wheel Headstock
Left external grinding wheel mounting size: 400 / 500 mm
Right external grinding wheel mounting size: 400 / 500 mm

Diagonal Grinding Wheel Headstock
Left external grinding wheel mounting size: 400 / 500 mm
Right external grinding wheel mounting size: 400 / 500 mm
Internal Grinding Spindle
Internal grinding spindle mounting bore: 120 mm
MFM High-frequency Spindle
Power: 10 / 15 kW
Maximum spindle speed:
MFM 1224/42: 42,000 rpm
MFM 1242/60: 60,000 rpm
MFM 1290: 60,000 rpm
Workpiece Headstock
Speed range: 1–1000 / 1–1000 / 1–500 rpm
Internal taper: MT5 / MT5 / MT6
Short external taper: ISO 702-1: Size 5 / Size 5 / Size 8
Fine adjustment range: ±1.5°
Tailstock
Internal taper: MT4
Quill travel: 50 / 80 mm
Fine adjustment range: ±75 mm

PamtonSchnell

主要规格	公制		英制	
两顶尖距	1000 / 1500	mm	40 / 63	inch
加工长度	1000 / 1500	mm	40 / 59	inch
中心高	200 / 250 / 300	mm	7.87 / 9.84 / 11.81	inch
两顶尖质量	150 / 200 / 300	kg	330 / 441 / 660	lbs
卡盘夹持最大扭矩	160 / 320 / 750	Nm	118 / 236 / 553	lbft
主电压需求	3 x 400V / 50Hz / 3 x 460V / 60Hz		3 x 400V / 50 Hz / 3 x 460V / 60Hz	
电流需求(根据配置)	35-63	A	35-63	A
占用空间/ 长x宽	3600 x 2052 / 4600 x 2050	mm	141.73x80.70 / 181.10x80.70	inch
Z轴				
行程	1170 / 1670	mm	46.06 / 65.74	inch
快进速度	20	m/min	787	ipm
分辨率	0.00001	mm	0.000004	inch
X轴				
行程	365	mm	14.37	inch
快进速度	10	mm	393	inch
分辨率	0.00001	mm	0.000004	inch
粉轮偏置转台轴				
分辨率/最小定位精度	0.00001° < 0.5"		0.00001° < 0.5"	
转动范围	max. 240		max. 240	
粉轮头架				
水冷电机最大功率	10	kW	13.4	hp
粉轮线速度	max. 45 m/s	m/s	max. 8860 ft/min	ft/min
通用型砂轮头架				
左侧外圆砂轮可安装尺寸	400 / 500	mm	16 / 20	inch
右侧外圆砂轮可安装尺寸	300 / 400 / 500	mm	12 / 16 / 20	inch
前后伸型砂轮头架				
左侧外圆砂轮可安装尺寸	400 / 500	mm	16 / 20	inch
右侧外圆砂轮可安装尺寸	400 / 500	mm	16 / 20	inch
对角型砂轮头架				
左侧外圆砂轮可安装尺寸	400 / 500	mm	16 / 20	inch
右侧外圆砂轮可安装尺寸	400 / 500	mm	16 / 20	inch