

Double Column Milling M/C - Gantry Type

TRIMILL

VF3016

Stock no. :1118-1620

MACHINE-DATA

Machinetype	: Double Column Milling M/C - Gantry Type
Make	: TRIMILL
Type	: VF3016
Year	: 2017
Control type	: HEIDENHAIN iTNC530 HSCI
Control	: HEIDENHAIN iTNC530 HSCI
Storage location	: Lager Kleinostheim
Origin	: Germany
Delivery time	: short time
Quotation	: ex Works
Price	: on request



TECHNICAL DATA

x-travel	3.000 mm
y-travel	1.600 mm
z-travel	1.200 mm
control	HEIDENHAIN iTNC530 HSCI
B-axis (swivelling head)	+/- 100 °
C-axis (milling head rotation axis)	+/- 240 °
feed and rapid traverse	:
rapid feed Y,X,Z	40.000 m/min
Rapid traverse B- and C-Axis	50 rpm
Accelerations (X, Y and Z)	4 m/s ²
Machine table:	:
Clamping surface	3.500 x 1.750 mm
T-slots	27 x 22 mm H12
T-slot - distance	125 mm
max. workpiece load	7.000 kg/m2
Max. distance table to spindle nose	1.356 mm
turning speed range:	10- 24.000 min-1
Drive power (S1/S6):	42/50 KW
Torque (S1/S6):	67/84 Nm
Tool bore	HSK-A 63
tool magazin:	:
number of tools	50
tool holder	DIN 69873 HSK A63
Max. Ø tool	115 mm
max. tool-Ø adjacent slots free	125 mm
max. tool length	300 mm

Technical specifications according to manufacturer's information / documentation

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max. tool weight	12 kg
coolant equipment	:
tank capacity	1.400 l
voltage	3x 40 V 50 Hz
power requirement	90 kVA
Required air-pressure	min 6 bar
Nominal fuse protection	160 A
measurement, weight	:
weight of the machine ca.	58.000 kg
Machine main dimensions	8,6 x 5,9 x 5,2 m

TECHNICAL DESCRIPTION

Equipment / Accessories

- ? 5-axis vertical portal milling machine in Gantry design.
- ? Fork milling head T21C for simultaneous milling operation with FISCHER spindle, 42kW, 67Nm, 24.000 rpm, HSK-A63
- ? Manually operated textile roof
- ? Tool changer chain 50-fold, change orientation vertical
- ? 3D probe for workpiece measurement
- ? Process monitoring system MONTRONIX incl. installed vibration sensors for detection of abnormal vibrations during the machining process.
- Alarm triggering, feed rate reduction or machine stop are carried out via the control system
- ? HEIDENHAIN HR550 handwheel (wireless)
- ? BLUM LaserControl NT for non-contact tool measurement with automatic cover, enables increased process reliability through automatic form and wear control of the tools used
- ? Coolant system KNOLL for cooling lubrication with supply via spray nozzles and supply through the main spindle (ICS)
- ? TRIMILL Kinematics - application for rotary axes
- ? TRIMILL Teleservice - remote support
- ? Linear, absolute and direct path measuring systems make HEIDENHAIN in X, Y and Z axis with a resolution of 0,001mm
- ? Hydraulic power unit
- ? 1 lubrication unit for the machine
- ? 1 lubrication unit for the milling spindle
- ? 1 cooling unit for cooling the milling head
- ? 1 cooling unit for cooling the axis motors
- ? 1 pc. Air extraction unit for oil and cooling lubricant emulsion with three-stage filtering, power consumption 2.2 kW, max. extraction capacity 2,000 m³. Extraction capacity 2.000 m³/h
- ? 2 scraper belt conveyors, positioned along the X-axis to the left and right of the machine table, discharge height approx. 1,050mm

program hours on the machine: approx. 8.000h

VIDEO-LINKS

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WEB-LINK

https://lagermaschinen.de/maschinen-datenblatt/Double_Column_Milling_M_C_-_Gantry_Type/TRIMILL/VF3016/1118-1620

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MACHINE PICTURES

