

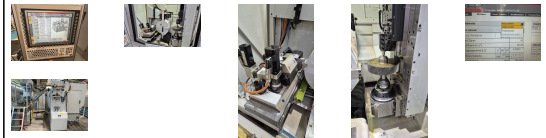
BURRI

BZ 331

Stock no. :1022-2432

## MACHINE-DATA

Machinetype : Gear Grinding Machine  
 Make : BURRI  
 Type : BZ 331  
 Year : 2015  
 Control type : CNC  
 Control :  
 Storage location : Germany  
 Origin : Germany  
 Delivery time : Immediately  
 Quotation : Ex site, loaded on truck  
 Price : on request



## TECHNICAL DATA

max. wheel diameter	330 mm
gear width	175 mm
max. module	6,0
min. module	0,8
centre distance	162 - 556 mm
shifting	100 mm
number of teeth	6 - 600
max.helical angle	45° deg.
pressure angle	14° - 30° deg.
grinding worm dia.	max. 350 mm
width of grinding worm	84/104 mm
number of starts	max. 5
workpiece weight	max. 60 kg
total power requirement	23 kVA
weight of the machine ca.	6,7 t

## TECHNICAL DESCRIPTION

*The machine is in excellent condition and has been used maximum in 1-shift operation.*



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*Generating and profil grinding.*

*In July 2023, the machine was fitted with a new PC (PC APC910 1.4GHz; 2x2048MB RAM) and received a software update for profile grinding.*

*Working hours (dated 09. April 2026):*

*Working hours since software update: 12,689 h*

*Working hours grinding/profiling: 1,976 / 134 h*

*The machine was overhauled in July and October 2023:*

*- Replacement of the X, Y, U and V ball screws, guides for the U and V axes, etc.*

*Minimum workpiece root diameter: 10 mm*

*Maximum workpiece tip diameter: 330 mm*

*Maximum grinding stroke: 175 mm*

*Maximum tooth width: 175 mm*

*Maximum workpiece weight: 60 kg*

*Center distances: 162 to 556 mm*

*Grinding worm dimensions:*

*Maximum outer diameter: 350 mm*

*Minimum root diameter: 250 mm*

*Width: 84/104 mm*

*Maximum module (with limitations): 6.0 mm*

*Number of threads: up to 5*

*Maximum usable width (shift travel): 100 mm*

*Tooth design:*

*Minimum number of teeth: 6*

*Maximum number of teeth: 600*

*Module with automatic centering: min./max. 0.8/6.0 mm*

*Pressure angle: min./max. 14/30 deg.*

*Maximum helix angle left and right: 45 deg.*

*Grinding screw speeds:*

*Grinding: 0 - 3500 rpm*

*Profiling: 0 - 150 rpm*

*Setup (special operating mode): max. 50 rpm*



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*Workpiece speed with gearbox: max. 400 rpm*

*Workpiece speed with direct drive: max. 750 rpm*

*Maximum shift travel: 100 mm*

*Total connected load: 23 kVA*

*Machine weight: 6.7 t*

## **VIDEO-LINKS**

## **WEB-LINK**

<http://mhp.logotech.de/hpm/v7/Datenblatt/datenblatt.php?machineno=1022-2432>

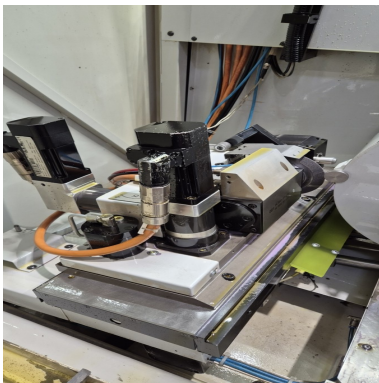
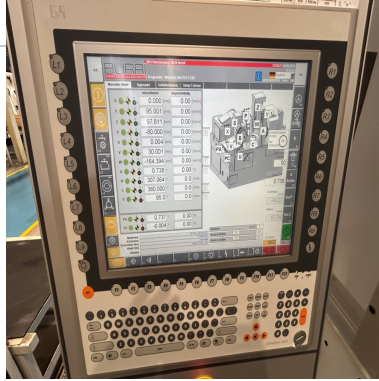
# Gear Grinding Machine



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KNOPS MASCHINEN		Programm: M400z43.5867327.L.CSV	
WS-Daten	Bearb. Tabellen	Modifikationen	Prozess Para.
Leifmodus	Wälzschleifen		Zusatz
en Zahnrad	Wälzschleifen		M4 gg1 res
itch / Modul mn	Profilschleifen		
ahl Zähne	Schnecken schleifen		
griffswinkel $\alpha$ [°]		43	Zahnrad
ragungswinkel $\beta$ [°]		20.00	Messzahn
tilverschiebung		0 00 00 0.0000 °	Soil-Zahn
		x*mn 1.36495	
		(mm) x 0.341237	
		(mm) 60.000	



Technical details and information subject to amendments and errors.

**Knops Werkzeugmaschinen GmbH & Co. KG**

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