

New in the product range

OPTIMUM®

MASCHINEN - GERMANY

BF 30 Vario

Milling

Spindle speeds

- Infinitely variable speed adjustment
- Speeds from 65 up to 3300 rpm

Control panel

- Digital speed display
- Potentiometer
- Emergency-stop push button
- Selector switch operating mode/rotating direction

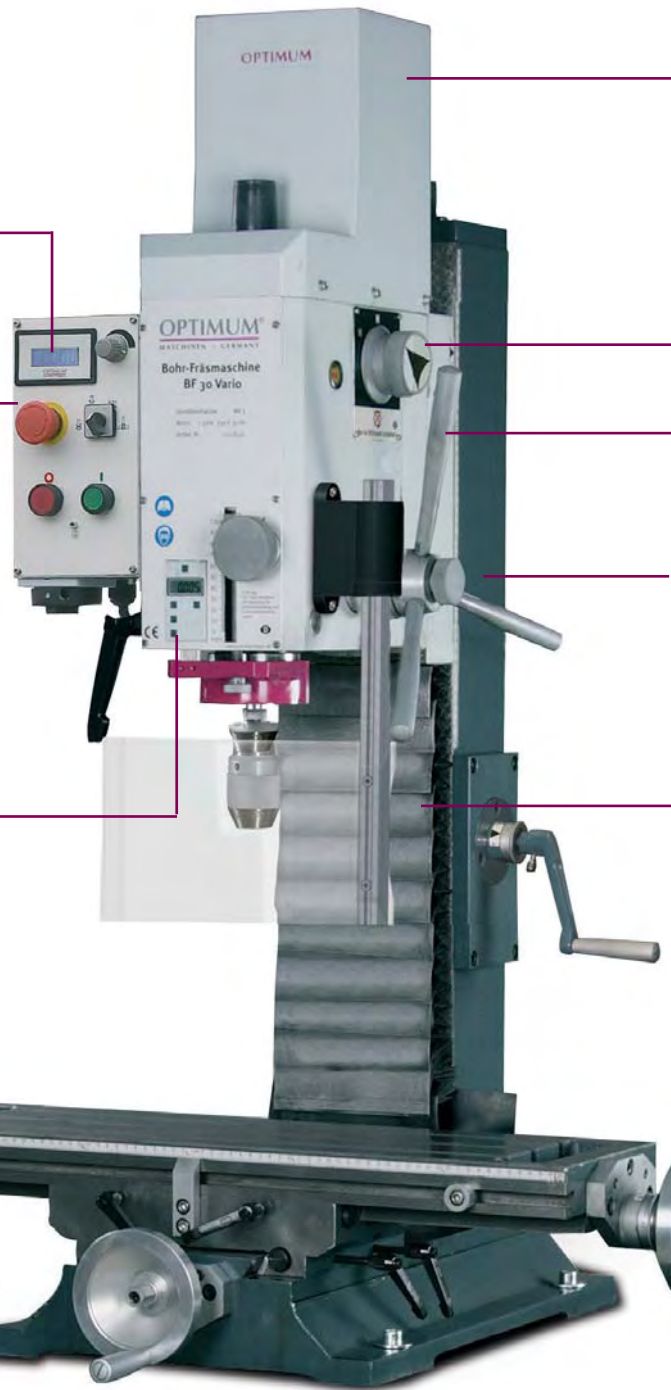


Digital depth gauge

- Accuracy of the display 0.01 mm
- Reversible mm/inch

Cross table

- Compact, precise and largely dimensioned
- Precisely machined surface
- With T-slots
- Adjustable V-ledges
- Adjustable via 3 handwheels
- Included longitudinal measuring scale
- Adjustable limit stops



· High-performance **Vario** drive

Gear
· Three-step

Spindle sleeve feed
· Via star grip (drilling)
· Coupler to change from manual rough feed to manual fine feed

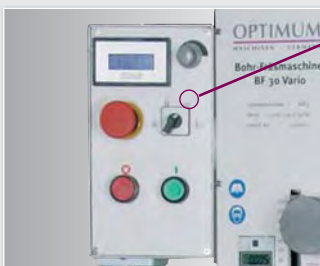
Upright
· Solid dovetail slideway
· Highest stability
· Optimum precision

Protection cover with fins
· Z-upright
· Stainless steel

Optional:
CNC
Complete and add-on kit
refer to pages 134-135

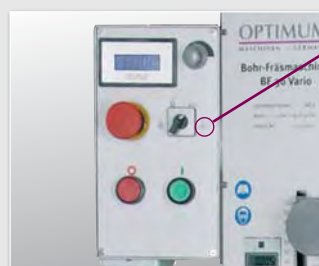


Fig.: BF30 Vario-CNC



Operating mode "auto" auto

- In the automatic mode, the engine will start automatically when lifting the lever and stops at the initial position. This way, it is not necessary to press the push button Start and Stop for repeated drilling tasks



Operating mode "Threading"

- The engine is being activated by moving the star grip downwards. The turning direction is changed by pressing the end switch on the adjustable drilling depth stop



Precision drilling-milling machine with electronic infinitely variable drive and digital display for spindle sleeve feed

Convincing arguments: quality, efficiency and price

- Solid dovetail slideway of the gearhead provides for highest stability and optimum precision
- Solid, precise cross table, largely dimensioned and precisely machined surface
- Heavy solid casting
- Adjustable V-ledges
- Very wide speed range
- Infinitely variable drive
- CNC prepared (special spindle bearing of the axes and assembly options of the Y-axis housing from the rear side)
- High concentricity precision due to taper roller bearings, better than 0.015 mm measured in the spindle sleeve
- Gearhead +/- 90° rotatable
- Digital depth gauge, accuracy of the display 0.01 mm, reversible mm/inch
- Drill depth stop
- Stainless steel protection with lamellas for the Z-upright
- Digital speed display
- Threading mode
- Automatic mode

Optional steel substructure

- Figure with switch combination of the optional universal coolant equipment (not included in delivery)
- Solid and heavy-weighted, provides for stability
- Chip drip plates
- Dimensions L x W x H: 940 x 647 x 780 mm

Item No 335 3004
€ 399.00 (VAT excl.)



Model	Opti BF 30 Vario
Item No with MT 3 seat	333 8430
€ (VAT excl.)	2'490.00
Item No with ISO 30 seat	333 8431
€ (VAT excl.)	2'640.00
Features of performance	
Electrical connection	
Motor	1.5 kW / 230 V ~50 Hz
Drilling-milling capacity	
Drilling capacity in casting (max.)	Ø 35 mm
Drilling capacity in steel (max.)	Ø 30 mm
Milling capacity cutter head (max.)	Ø 75 mm
Milling capacity end mill cutter (max.)	Ø 30 mm
Working range	220 mm
Spindle holding fixture	
Spindle holding fixture	MT 3 or ISO 30
Sleeve travel	90 mm
Spindle sleeve diameter	70 mm
Draw-in rod	M12
Drill-mill head	
Head rotation	+/- 90°
Gear stages	3 stages, continuously variable
Z-axis travel	470 mm
Speeds	
Gear stage low	65 - 650 rpm
Gear stage average	150 - 1500 rpm
Gear stage fast	330 - 3300 rpm
Cross table	
Cross table length x Width	750 x 210 mm
X-axis travel	450 mm
Y-axis travel	200 mm
Distance spindle - cross table	470 mm
T-slot size / Distance	12 mm / 63 mm / number 3
Dimensions	
Length x Width x Height	1073 x 792 x 1245 mm
Net weight	265 kg
Extent of supply:	Draw-in rod M 12 Operating tools

Accessories	Item No	€ (VAT excl.)
• Hydraulic machine vice HMS 125	335 5127	599.00
• Precision machine vice FMS 125	335 4125	149.00
• Parallel spacer kit 18 pcs.	335 4000	169.00
• Universal coolant equipment 230 V	335 2002	189.00
• Clamping tool kit SPW 10	335 2016	75.00
• Collet chucks kit 6 pcs. MT3	335 2014	89.00
• Vib. absorber machine stand SE1	338 1012	19.00
• Collet chucks kit 8 pcs. MT3	335 2050	189.00
• End mill cutter kit HSS 20 pcs.	338 6200	105.00
• Collet chuck holder ISO 30	335 2046	119.00

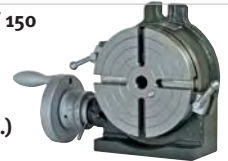
Universal table feed Opti V 99

- With infinitely variable speed adjustment
 - Fast motion
- Item No 335 2020 **€ 439.00 (VAT excl.)**
Assembly kit table feed V 99
 Item No 335 2026 **€ 69.00 (VAT excl.)**



Horizontal-vertical-circular div. table RT 150

- Screw hardened and ground
 - Multiplication ratio 90 : 1
 - Scaling on the handwheel 2`
- Item No 335 6150 **€ 210.00 (VAT excl.)**



Cutter head for copy and surface milling

- Universal insert
- Treating of all steel and NE metals



MT 3

Item No 335 0213 **€ 209.00 (VAT excl.)**

ISO30

Item No 335 0215 **€ 249.00 (VAT excl.)**

Precision turn-out, bore out head kit

- Also appropriate for outside and vertical processing
- Field of application of Ø10 mm to Ø220 mm

MT3

Item No 335 2083 **€ 229.00 (VAT excl.)**

ISO30

Item No 335 2085 **€ 229.00 (VAT excl.)**



More accessories from page 52 on