

Precision Center and Turning Center Lathe

OPTiTurn TZ 4V - DPA 32-3

with electronically controllable drive and digital position indicator DPA 32

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3432247

Brand ▼

Optimum

Availability ▼

In stock

Availability on request

Catalog directory ▼

Metalworking machines » Lathes
conventional » OPTiTurn TZ 4 / TZ 4V

Purchase ▼

Minimum 1 pc(s).




Delivery content ▼

- Fixed steady rest passage Ø 10 - Ø 130 mm
- Moving steady rest passage Ø 10 - Ø 100 mm
- Adapter MK6-MK3
- Non-moving centering tip MK3
- Non-moving, but temperature resistant
- Quick change steel holder SWH 5-B
- Steel holder 25x120 TypeD for square chisel 20 mm
- Initial machine filling with quality oil
- Operating tool
- **Do not forget the lathe chuck**

Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	1,860 mm	Gross	1,400 kg	Delivery	Special transportation	DualUse	✘
Width	2,020 mm	Net	1,250 kg	Content	1 pc(s).	SCIP	n/a
Height	1,120 mm					SVHC	No

Root data ▼

Country of origin	EAN	Custom number	Quantity unit
 China	4030635047558	84581900	pc(s).

Video

www.youtube.com/watch?v=1k6YULoOm60



Description

- Hardened and ground Z-axis guideway
- Motor protection switch
- Control cabinet with 24 V DC power supply
- Partial enclosure with included, large dimensioned chip guard
- Chip guard with integrated position indicator, coolant hose and additional control panel
- Two-channel safety electronics
- Safety handwheels with disengaging function in the X- and Z-axis
- Face and top slide spindle is hardened and ground and adjustable via split spindle nut
- Lead and traction spindle cover
- Finely graduated feed and tapping range
- Energy chain for gentle guiding of cables and hoses
- Standard gears for metric thread pitches and modular threads are mounted in the machine. Change gears for inch and D.P threads optionally available
- Switches with life cycle calculation tested according to EN ISO 13849
- Decoupled handwheels tested according to EN 23125
- Reduction of main spindle deceleration time by energy regeneration
- Chip tray can be pulled out to the front
- Coolant device
- Quick-change steel holder SWH 5-B
- Steel holder 25 x 120 type D for square chisel 20 mm
- LED machine lamp for complete illumination of the working area
- Cutting constant VSC

Media informations



Figure shows TZ 4 with optional lathe chuck



SIEMENS SINAMICS G120D converter

- Extended safety function (STO, SLS)
- Energy savings of up to 20 %
- No braking resistors required
- Simple and quick diagnostics
- Made in EU



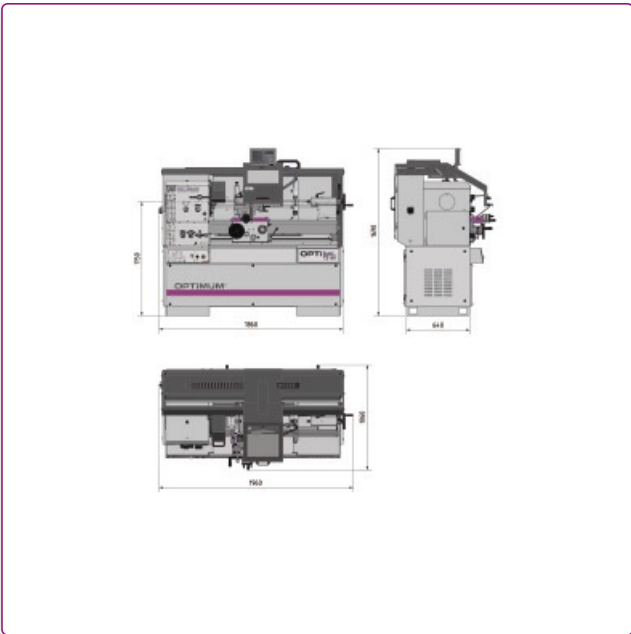
Centralized operation on the touch panel

- Switching lighting and coolant
- Membrane keyboard easy to clean



Bed geometry

- Shallow angle
- Higher power consumption



Digital position indicator DPA 32 with cutting constant VSC

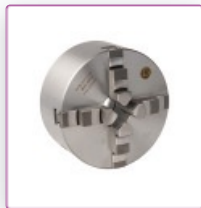
- LED display
- User-friendly membrane keypad, splash-proof, closed and glare-free
- Higher working accuracy
- Significant reduction of production times
- Error rate is reduced
- X-, Y-/Z-, Z-axis each with 8-digit display
- Three evaluable measuring inputs with seven correction memories each for tools

Technical data ▼

Dimensions and weights			
Length (product) approx.	1960 mm	Width/depth (product) approx.	1060 mm
Height (product) approx.	1690 mm	Net weight approx.	1250 kg
Work areas			
Max. height	200 mm	Max. width	800 mm
Swing diameter above machine bed	400 mm	Swing diameter above planing slide	245 mm
Bed width	260 mm		
Speed range			
Number of gears	2	Speed range	50 – 3000 min ⁻¹
Electrical Data			
Drive motor output	5.5 kW	Supply voltage	400 V
Mains frequency	50 Hz	Operating mode	S6
Duty cycle	60 %		
Cooling lubricant system			
Cooling lubricant system coolant pump output	0.125 kW	Cooling lubricant system tank capacity	20 l
Standards and certifications			
Standard	DIN EN 55011	EMC level	C3
Spindle			
Spindle chuck	DIN ISO 702-1 No. 5 Form A2	Spindle bore/rod passage diameter	52 mm

Spindle cone	MT 6		
Tailstock			
Tailstock chuck	MK 3	Tailstock quill stroke	110 mm
Tailstock quill diameter	50 mm		
Pitches			
Metric pitch	0.2 – 14 mm/rev	Number of metric pitches	36
Imperial pitch	80 – 1 Gg/1"	Number of imperial pitches	42
Diametrical pitch	3 – 200 Gg/π	Number of diametrical pitches	33
Modular thread pitch	0.1 – 7 mm/rev	Number of modular thread pitches	44
Travel			
Travel upper slide	112 mm	Travel cross slide	212 mm
Travel carriage saddle	800 mm		
Feed			
Longitudinal feed range	0.0263 – 1.8416 mm/rev	Number of longitudinal feeds	48
Flat feed range	0.0133 – 0.9321 mm/rev	Number of flat feeds	48
Motor(s)			
Drive motor gears	2		

Accessories ▼



BISON four-jaw lathe chuck steel Camlock, centric clamping

Ø 250 mm DIN 6350 for A2-5

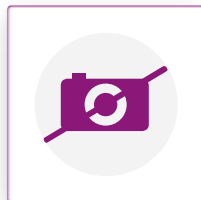
Article number ▼
3450217

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Chuck flange

Ø 250 mm for three- and four-jaw chucks A2-5

Article number ▼
3450218

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Three-jaw lathe chuck cast

BISON Ø 200 mm DIN 6350 A2-5

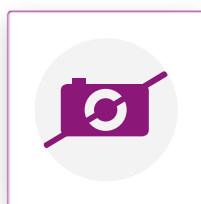
Article number ▼
3450210

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Chuck flange

Ø 200 mm A2-5

Article number ▼
3450212

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Face plate

Ø 320 mm Camlock DIN ISO 702-2 No. 5

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼
3442979

Availability ▼
No stock available
Information:
Next availability
Expected on
calendar week
15/2024

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Chuck flange

BISON 160 mm

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼
3450246

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Collet chuck

16C

OPTIMUM[®]
MASCHINEN - GERMANY

Manually operated chuck for distortion-free clamping of workpieces

Article number ▼
3450245

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Turning tool set

HM 20 mm, 5-part

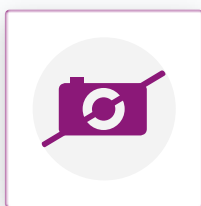
OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼
3441617

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Change gear set

for inch and module threads

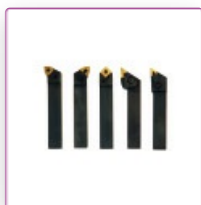
OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼
3444160

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Turning tool set

HM 20 mm, 5-part

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼
3441670

Availability ▼
No stock available
Information:
Next availability
Expected on
calendar week
15/2024

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Internal turning set 5-piece

Article number ▼
3441650

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Center drill set 10tlg. 0.75-4.5 mm HSS

Article number ▼
3203010

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Clamping block set for lathes 20-05

Article number ▼
3440654

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Revolving centering point MT 3

Article number ▼
3440703

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Revolving centering point MT 3

Article number ▼
3440733

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Revolving centering point MT 5

Article number ▼
3451005

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

OPTIMUM[®]
MASCHINEN - GERMANY



Leveling plate SE 1

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼
3381012

Availability ▼
No stock available
Information:
Next availability
Expected on
calendar week
15/2024

Purchase ▼
Minimum 20 pc(s).

Price informations ▼



Precision machine foot SEU1

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼
3352985

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

Prices on this data sheet are recommended retail prices, subject to change, in €, plus VAT at the statutory rate, plus packaging, shipping, transport, unloading, assembly and, if applicable, instruction costs. Sales prices of the dealers can deviate. No liability is accepted for printing errors, mistakes or incorrect presentation. Technical and optical changes are reserved. Illustration partly with optional accessories.