

Lathe

OPTIturn TU 2304V

Lathes for home improvement. TU 2304V with electronically adjustable speed

Article number ▾

3420325

Brand ▾

Optimum

Catalog directory ▾

Metalworking machines » Lathes conventional » OPTIturn TU 2304 / TU 2304V

OPTIMUM[®]
MASCHINEN - GERMANY



Shipping informations ▾

Packaging Metrics		Weights		Delivery		Other	
Length	980 mm	Gross	127 kg	Delivery	Carrier	DualUse	✘
Width	560 mm	Net	111 kg	Content	1 pc(s).	SCIP	n/a
Height	560 mm					SVHC	No



Description ▼

- Precise processing
- Cast iron gray prism bed, aged for at least six months, inductively hardened and precision ground
- Hardened and ground Z-axis guideway
- Guaranteed concentricity of the spindle nose better than 0.009 mm
- Rolled trapezoid spindles
- Leadscrew stored in two sintered bearings
- All guides can be adjusted by wedge strips
- Precisely crafted sled
- Handwheels with adjustable fine scale 0.04 / 0.01 mm
- Quadruple tool holder
- Concentricity - chuck better than 0.05 mm
- Lead screw for thread cutting or automatic longitudinal turning
- Right / left rotation in the control panel switchable
- Tailstock for taper turning ± 5 mm adjustable
- Tailstock quill and handwheel with adjustable fine scale 0.02 mm
- Fast, easy and tool-free adjustment by means of a clamping lever
- Emergency stop impact switch
- Lathe chuck protection
- thrust bearing
- Change gear set for threading
- Extensive accessories
- 3-jaw lathe chuck in the standard scope of delivery
- Stable value

TU 2304V

- Speed change easily adjustable via potentiometer
- Digital speed display
- EMC filter class C1

Delivery content ▼

- Three-jaw lathe chuck $\varnothing 100$ mm, centrally exciting
- Fixed centering point MK 2 and MK 3
- bulkhead
- chip pan
- Quadruple tool holder
- Change gear set
- operating tool

Media informations ▼



Illustration shows OPTiturn TU 2304V with optional machine substructure



Machine bed

- Prepared for measuring system assembly of the X, Z and Z0 axes



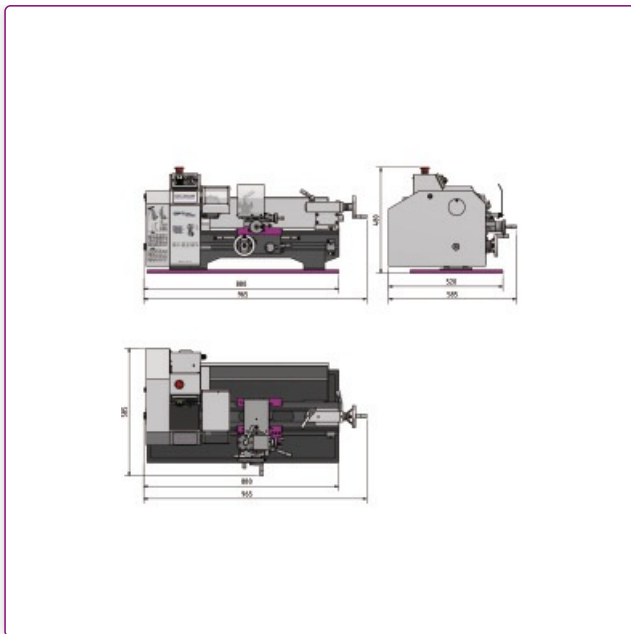
Lathe chuck and protection

- Lathe chuck guard with position switch
- Three-jaw lathe chuck Ø 125 mm, centric clamping in standard scope of delivery



TU 2304V with digital speed display

- electronically adjustable 2-step spindle speed 150 - 2.200 min⁻¹
- speed change easily adjustable via potentiometer



Technical data ▼

Dimensions and weights			
Length (product) approx.	965 mm	Width/depth (product) approx.	585 mm
Height (product) approx.	510 mm	Net weight approx.	114 kg
Work areas			
Max. height	115 mm	Max. width	450 mm
Swing diameter above machine bed	230 mm	Swing diameter above planing slide	128 mm
Bed width	135 mm		
Speed range			
Speed control	electronically adjustable	Number of gears	2
Speed range	150 – 2200 min ⁻¹		
Electrical Data			
Drive motor output	0,75 kW	Supply voltage	230 V
Mains frequency	50 Hz		
Standards and certifications			
Standard	DIN EN 55011	EMC level	C1
Spindle			
Spindle chuck	cylindrical Ø 72 mm	Spindle bore/rod passage diameter	20 mm
Spindle cone	MK 3	Tool holder max. chuck height	14 mm
Tailstock			
Tailstock chuck	MK 2	Tailstock quill stroke	70 mm
Pitches			
Metric pitch	0,4 – 3,5 mm/rev	Number of metric pitches	14
Imperial pitch	44 – 8 Gg/1"	Number of imperial pitches	14
Travel			
Travel upper slide	75 mm	Travel cross slide	120 mm
Travel carriage saddle	360 mm		

Accessories ▼



Three-jaw lathe chuck
Ø 125 mm centric exciting

Article number ▼
3442712

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Four-jaw lathe chuck, concentric clamping
Ø 125 mm

Article number ▼
3442812

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Four-jaw lathe chuck, individually clamping
Ø 125 mm

Article number ▼
3442874

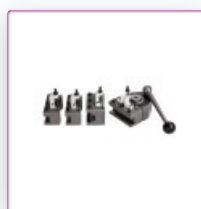
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Chuck flange
Ø 125 mm cylindrical

Article number ▼
3440313

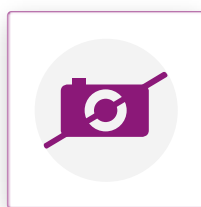
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Quick change tool kit
SWH 1 - A

Repeat accuracy 0.01 mm
Article number ▼
3384301

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Factory assembly
SWH 1-A

Article number ▼
9000401

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Spare steel holder
20x90 type D

Article number ▼
3384302

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Spare steel holder
20 x 85 type H, for round chisel

Article number ▼
3384321

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Turning tool set
10 mm, 11-part

Article number ▼
3441602

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Turning tool set
12 mm, 11-part

Article number ▼
3441603

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Turning tool set
HM 12 mm, 5-part "Made in Germany"

Article number ▼
3441212

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Fixed bezel
for TU 2304 / TU 2304V

Article number ▼
3440361

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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Rotating bezel
Ø max. 34 mm for TU 2304

Article number ▼
3440360

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Revolving centering point
MT 2

Article number ▼
3440702

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Face plate

Ø 170 mm

Article number ▼

3440295

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Substructure

MST 1

Article number ▼

3440409

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Digital position indicator

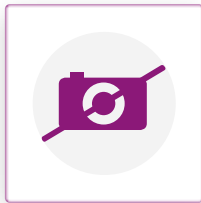
DRO 5

Digital 3-axis position indicator for milling machines and lathes with speed display

Article number ▼

3383975

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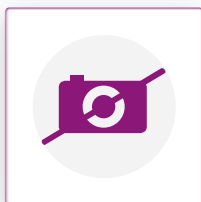
Magnetic tape

OMB10 for DRO5 1100 mm

Article number ▼

3383978

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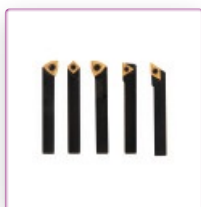
Factory assembly

MPA 3/4/DRO5

Article number ▼

9000420

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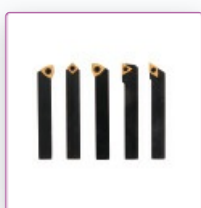
Turning tool set

HM 8 mm, 5-part

Article number ▼

3441662

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Turning tool set

HM 10 mm, 5-part

Article number ▼

3441664

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Turning tool set
HM 12 mm, 5-part

Article number ▼
3441666

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Turning tool set
8 mm, 11 parts

Article number ▼
3441601

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Internal turning set
10 mm

Article number ▼
3441640

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Internal turning set
12 mm

Article number ▼
3441641

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Center drill set
10tlg. 0.75-4.5 mm HSS

Article number ▼
3203010

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Twist drill HSS with Morse taper
MT 2

Article number ▼
3051002

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Collet chuck
ER 25, Ø 52 mm, cylindrical

Article number ▼
3440305

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Revolving centering point
MK2 - with exchangeable tips

Article number ▼
3440732

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Revolving centering point
MT 2

Article number ▼
3451002

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Collet set
ER 25, Ø 1-16 mm

Article number ▼
3441109

OPTIMUM[®]
MASCHINEN - GERMANY



Universal coolant device
230 V

Article number ▼
3351999

OPTIMUM[®]
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Vibration damper machine foot
SE 55

Article number ▼
3352981

OPTIMUM[®]
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Leveling plate
SE 1

Article number ▼
3381012