

Lathe

OPTIturn TU 2304

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

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3420320

Brand ▼

Optimum

Catalog directory ▼

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



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	980 mm	Gross	130 kg	Delivery	Carrier	DualUse	✘
Width	560 mm	Net	114 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 OPTturn TU 2304V with optional machine substructure



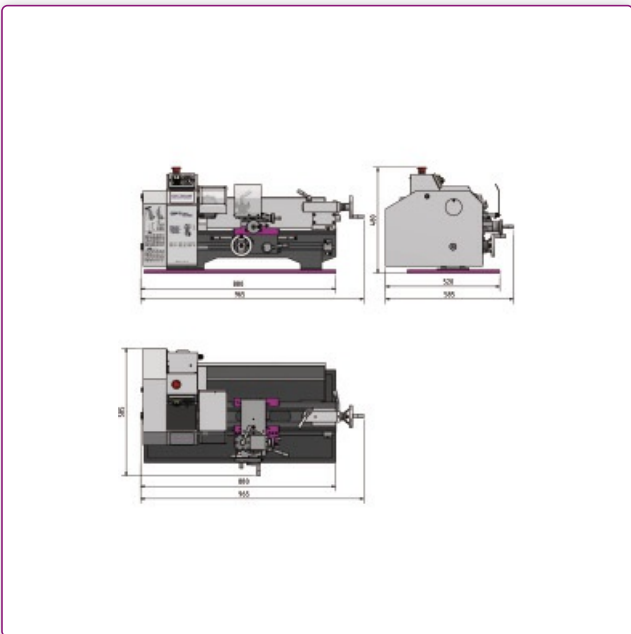
Machine bed

- 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



Technical data ▾

Dimensions and weights			
Length (product) approx.	965 mm	Width/depth (product) approx.	585 mm
Height (product) approx.	510 mm	Net weight approx.	111 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			
Number of gears	6	Speed range	125 – 2000 min ⁻¹
Electrical Data			
Drive motor output	0,75 kW	Supply voltage	230 V
Mains frequency	50 Hz		
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

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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

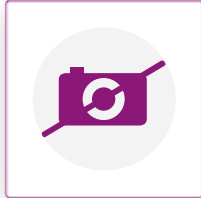
SWH 1 - A

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

OPTIMUM[®]
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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

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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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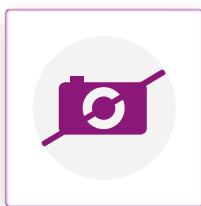


Digital position indicator
DRO 5

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[®]
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Universal coolant device
230 V

Article number ▼
3351999

OPTIMUM[®]
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Leveling plate
SE 1

Article number ▼
3381012

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Vibration damper machine foot
SE 55

Article number ▼
3352981

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