

Lathe

OPTIturn TU 2004V

OPTIMUM[®]
MASCHINEN - GERMANY

Modeling lathe with electronically adjustable speed and digital speed display

Article number ▼

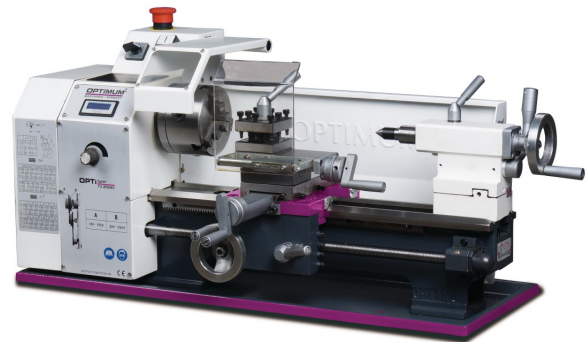
3420310

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Lathes
conventional » OPTIturn TU 2004V



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	820 mm	Gross	75 kg	Delivery	Carrier	DualUse	✘
Width	480 mm	Net	65 kg	Content	1 pc(s).	SCIP	n/a
Height	490 mm					SVHC	No



Description ▼

- Precise processing
- Heavily ribbed prism bed made of cast steel, inductively hardened and precision ground
- Hardened and ground Z-axis guideway
- Hardened spindle nose (DIN 6350)
- Guaranteed concentricity of the spindle nose better than 0.009 mm
- Automatic longitudinal / lead screw drive
- Roll-rolled trapezoidal thread of the lead screw
- Leadscrew stored in two sintered bearings
- Longitudinal, top and top slides
- Right / left rotation in the control panel switchable
- Hardened main spindle mounted in adjustable precision tapered roller bearings
- Tapered roller bearings in P5 quality
- Cylindrical center mount
- Hardened spindle nose with \varnothing 21 mm spindle bore
- Chuck concentricity better than 0.04 mm
- Tailstock adjustable for bow turning
- 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
- Quadruple steel holder, rotatable
- Replacement gear set in the standard scope of delivery enables large thread cutting area
- 3-jaw lathe chuck in the standard scope of delivery
- 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
- Change gear set
- Quadruple tool holder
- operating tool

Media informations ▼



Technical data ▼

Dimensions and weights			
Length (product) approx.	830 mm	Width/depth (product) approx.	425 mm
Height (product) approx.	360 mm	Net weight approx.	65 kg
Work areas			
Max. height	100 mm	Max. width	300 mm
Swing diameter above planing slide	110 mm	Bed width	100 mm
Speed range			
Number of gears	2	Speed control	electronically adjustable
Speed range	150 – 2500 min ⁻¹		
Electrical Data			
Drive motor output	0,6 kW	Supply voltage	230 V
Mains frequency	50 Hz		
Standards and certifications			
Standard	DIN EN 55011	EMC level	C1
Spindle			
Spindle bore/rod passage diameter	21 mm	Spindle cone	MK 3
Chuck passage diameter	20 mm	Tool holder max. chuck height	12 mm
Tailstock			
Tailstock chuck	MK 2	Tailstock quill stroke	65 mm
Pitches			
Metric pitch	0,25 – 3 mm/rev	Number of metric pitches	14
Imperial pitch	44 – 8 Gg/1"	Number of imperial pitches	12
Travel			
Travel upper slide	55 mm	Travel cross slide	75 mm
Travel carriage saddle	300 mm		
Feed			
Longitudinal feed range	0,1 – 0,2 mm/rev	Number of longitudinal feeds	2

Accessories ▼



Four-jaw lathe chuck, concentric clamping Ø 100 mm

Article number ▼
3442810

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Four-jaw lathe chuck, individually clamping Ø 100 mm

Article number ▼
3442872

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Chuck flange
Ø 100 mm cylindrical

Article number ▼
3440312

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Face plate
Ø 170 mm

Article number ▼
3440295

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Quick change tool kit
SWH-AA

Repeat accuracy 0.01 mm
Article number ▼
3384311

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Factory assembly
SWH 1-A

Article number ▼
9000401

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Spare steel holder
12 x 50 type D

Article number ▼
3384312

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Spare steel holder
10 x 50 type H, for round chisel

Article number ▼
3384320

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Turning tool set
10 mm, 11-part

Article number ▼
3441602

OPTIMUM[®]
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Turning tool set
HM 10 mm, 5-part

Article number ▼
3441664

OPTIMUM®
MASCHINEN - GERMANY



Rotating bezel
Ø max. 40 mm

Article number ▼
3440230

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Fixed bezel
for TU 2004V

Article number ▼
3440231

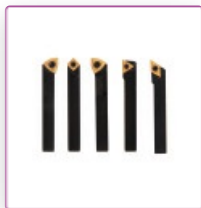
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Collet chuck
ER 25, Ø 52 mm, cylindrical

Article number ▼
3440305

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Turning tool set
HM 8 mm, 5-part

Article number ▼
3441662

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Turning tool set
8 mm, 11 parts

Article number ▼
3441601

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Twist drill HSS with Morse taper
MT 2

Article number ▼
3051002

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Revolving centering point
MT 2

Article number ▼
3440702

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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

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Collet set
ER 32, Ø 1 - 16 mm

Article number ▼
3441122

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Universal coolant device
230 V

Article number ▼
3351999

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