

## Lathe

# OPTIturn TU 2406V

Lathes for home improvement. TU 2406V with electronically adjustable speed

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY

### Article number ▼

3420355

### Brand ▼

Optimum

### Catalog directory ▼

Metalworking machines » Lathes conventional » OPTIturn TU 2406V / TU 2406



### Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	580 mm	Gross	143 kg	Delivery	Carrier	DualUse	✘
Width	1,200 mm	Net	125 kg	Content	1 pc(s).	SCIP	n/a
Height	560 mm					SVHC	No



## Description ▼

- Precisely manufactured
- 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
- Two tapered roller bearings in P5 quality
- Precisely crafted sled
- Handwheels with adjustable fine scale 0.04 / 0.01 mm
- Quadruple tool holder
- All guides can be adjusted by wedge strips
- 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  $\pm 5$  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
- thrust bearing
- Extensive accessories
- 3-jaw lathe chuck in the standard scope of delivery
- Stable value

## TU 2406V

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

## Delivery content ▼

- Three-jaw lathe chuck  $\varnothing 125$  mm, centrally exciting
- Fixed centering point MK 2 and MK 3
- bulkhead
- chip pan
- Quadruple tool holder
- Change gear set
- operating tool

## Media informations ▼



Figure shows OPTi turn TU 2406V with optional substructure



**Machine bed**

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



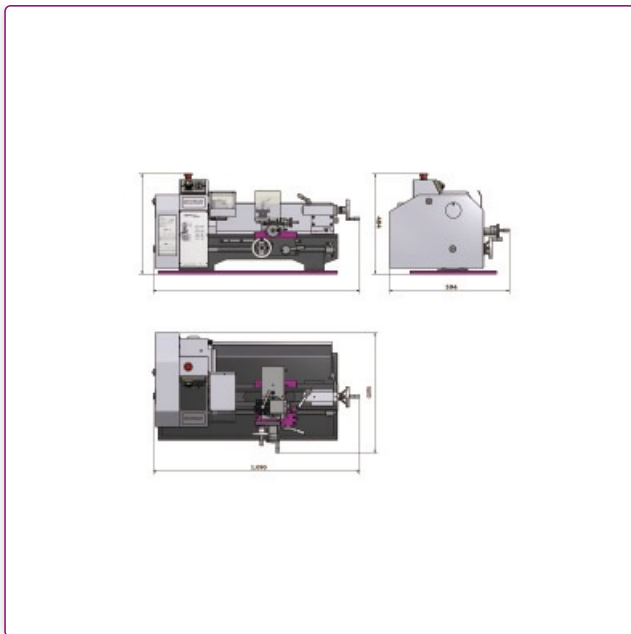
**Lathe chuck and protection**

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



**With digital speed display**

- electronically adjustable 2-step spindle speed 150 - 2.500 min-1
- speed change easily adjustable via potentiometer



## Technical data ▼

Dimensions and weights			
Length (product) approx.	1090 mm	Width/depth (product) approx.	594 mm
Height (product) approx.	484 mm	Net weight approx.	125 kg
Work areas			
Max. height	125 mm	Max. width	550 mm
Swing diameter above machine bed	250 mm	Swing diameter above planing slide	148 mm
Bed width	133 mm		
Speed range			
Speed control	electronically adjustable	Number of gears	2
Speed range	150 – 2500 min <sup>-1</sup>		
Electrical Data			
Drive motor output	1,1 kW	Supply voltage	230 V
Mains frequency	50 Hz		
Standards and certifications			
Standard	DIN EN 55011	EMC level	C1
Spindle			
Spindle chuck	cylindrical Ø 52 mm	Spindle bore/rod passage diameter	21 mm
Spindle cone	MK 3	Tool holder max. chuck height	12 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 – 10 Gg/1"	Number of imperial pitches	12
Travel			
Travel upper slide	75 mm	Travel cross slide	120 mm
Travel carriage saddle	550 mm		

## Accessories ▼



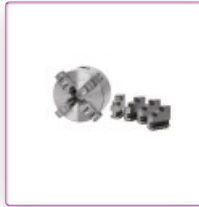
### Four-jaw lathe chuck, concentric clamping

Ø 125 mm

Article number ▼

3442812

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



### Four-jaw lathe chuck, individually clamping

Ø 125 mm

Article number ▼

3442874

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



### Chuck flange

Ø 125 mm cylindrical

Article number ▼

3440511

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



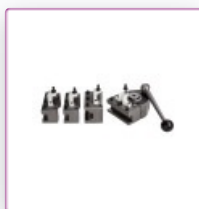
### Face plate

Ø 220 mm for TU 2406

Article number ▼

3440552

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



### Quick change tool kit

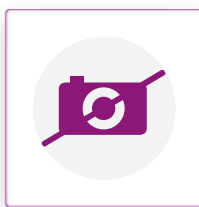
SWH 1 - A

Repeat accuracy 0.01 mm

Article number ▼

3384301

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



### Factory assembly

SWH 1-A

Article number ▼

9000401

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



### Spare steel holder

20x90 type D

Article number ▼

3384302

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



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

**Article number** ▼  
3384321

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Turning tool set**  
10 mm, 11-part

**Article number** ▼  
3441602

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Turning tool set**  
12 mm, 11-part

**Article number** ▼  
3441603

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Turning tool set**  
HM 12 mm, 5-part

**Article number** ▼  
3441666

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



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

**Article number** ▼  
3441212

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Fixed bezel**  
for TU 2506 / TU 2506V

**Article number** ▼  
3441315

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Rotating bezel**  
Ø max. 34 mm for TU 2506 / TU 2406

**Article number** ▼  
3441310

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Collet chuck**  
ER 32, Ø 52 mm, cylindrical

Article number ▼  
3440506

**OPTIMUM®**  
MASCHINEN - GERMANY



**Substructure**  
MST 1

Article number ▼  
3440409

**OPTIMUM®**  
MASCHINEN - GERMANY



**Digital position indicator**  
DRO 5

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

Article number ▼  
3383975

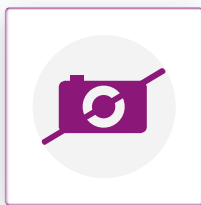
**OPTIMUM®**  
MASCHINEN - GERMANY



**Magnetic tape**  
OMB10 for DRO5 1100 mm

Article number ▼  
3383978

**OPTIMUM®**  
MASCHINEN - GERMANY



**Factory assembly**  
MPA 3/4/DRO5

Article number ▼  
9000420

**OPTIMUM®**  
MASCHINEN - GERMANY



**Turning tool set**  
HM 10 mm, 5-part

Article number ▼  
3441664

**OPTIMUM®**  
MASCHINEN - GERMANY



**Internal turning set**  
10 mm

**Article number** ▼  
3441640

**OPTIMUM®**  
MASCHINEN - GERMANY



**Internal turning set**  
12 mm

**Article number** ▼  
3441641

**OPTIMUM®**  
MASCHINEN - GERMANY



**Center drill set**  
10tlg. 0.75-4.5 mm HSS

**Article number** ▼  
3203010

**OPTIMUM®**  
MASCHINEN - GERMANY



**Twist drill HSS with Morse taper**  
MT 2

**Article number** ▼  
3051002

**OPTIMUM®**  
MASCHINEN - GERMANY



**Collet chuck**  
ER 25, Ø 52 mm, cylindrical

**Article number** ▼  
3440505

**OPTIMUM®**  
MASCHINEN - GERMANY





**Revolving centering point**  
**MT 2**

**Article number** ▼  
3440702

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Revolving centering point**  
**MK2 - with exchangeable tips**

**Article number** ▼  
3440732

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Revolving centering point**  
**MT 2**

**Article number** ▼  
3451002

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Collet set**  
**ER 25, Ø 1-16 mm**

**Article number** ▼  
3441109

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Collet set**  
**ER 32, Ø 1 - 16 mm**

**Article number** ▼  
3441122

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Universal coolant device**  
**230 V**

**Article number** ▼  
3351999

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Vibration damper machine foot**  
**SE 55**

**Article number** ▼  
3352981

**OPTIMUM**<sup>®</sup>  
MASCHINEN - GERMANY



**Leveling plate**  
**SE 1**

**Article number** ▼  
3381012