

Center lathe

OPTIturn TU 3008G

Guide and traction spindle lathes with longitudinal and face feed. TU 3008G with gearbox. TU 3008V with brushless motor for stepless speed control

OPTIMUM[®]
MASCHINEN - GERMANY

Article number ▼

3427210

Brand ▼

Optimum

Catalog directory ▼

Metalworking machines » Lathes
conventional » OPTIturn TU 3008 / TU
3008V



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	1,500 mm	Gross	295 kg	Delivery	Carrier	DualUse	✘
Width	710 mm	Net	252 kg	Content	1 pc(s).	SCIP	n/a
Height	710 mm					SVHC	No



Description ▼

- Precise processing
- Heavily ribbed prism bed made of gray cast iron, inductively hardened and precision ground
- Hardened and ground Z-axis guideway
- Smooth-running feed gear with rounded gears running in an oil bath
- Guaranteed concentricity of the spindle nose better than 0.009 mm
- Concentricity on the lathe chuck better than 0.04 mm
- Quadruple tool holder
- All guides can be adjusted by wedge strips
- Right / left rotation in the control panel switchable
- Hardened main spindle mounted in adjustable, precision tapered roller bearings
- Tapered roller bearings in P5 quality
- Hardened spindle nose
- Large spindle bore Ø 38 mm
- Lead screw for thread cutting or automatic longitudinal turning
- Guide and feed shaft stored in two sintered bearings
- Automatic longitudinal / flat feeds
- Lead screw and tension spindle cover
- 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
- Handwheels on the carriage with adjustable fine scale 0.04 / 0.01 mm
- Change wheel set in the standard scope of supply for thread cutting
- Emergency stop impact switch

TU 3008

- fan belt

TU3008G

- transmission

TU 3008V

- V-belt and brushless drive
- Quiet, powerful and brushless DC drive with excellent control characteristics
- High precision steel lining for higher speeds
- Digital speed display

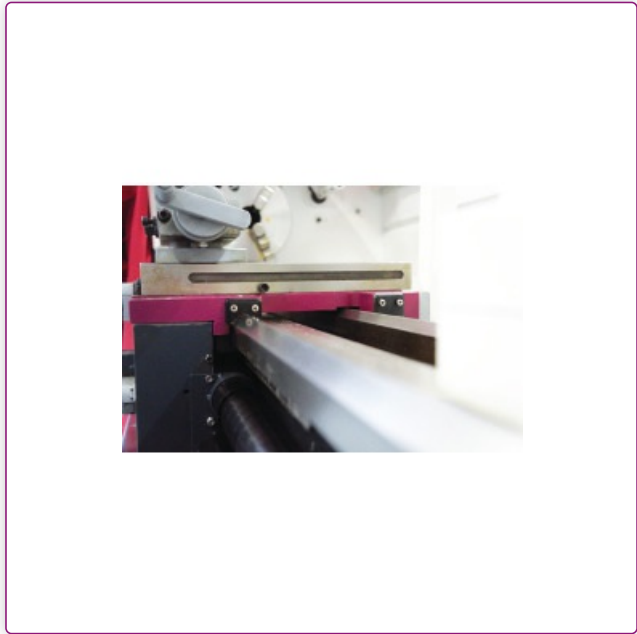
Delivery content ▼

- Three-jaw lathe chuck Ø 160 mm, centric clamping
- Fixed centering point MK 3 and MK 5
- Quadruple steel holder 25 mm
- Bulkhead
- Chip pan
- Change gear set
- Operating tool

Media informations ▼



Illustration shows OPTturn TU 3008G with optional machine substructure



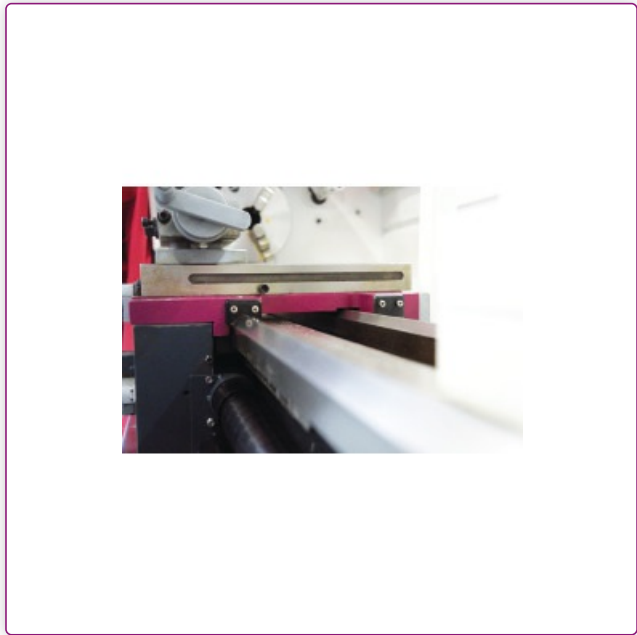
Machine bed

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



Tailstock

- for taper turning ± 5 mm adjustable
- Tailstock quill and handwheel with adjustable fine scaling 0.02 mm
- Quick, easy and toolless adjustment of the tailstock by means of clamping lever



Prepared for a measuring system

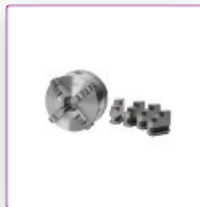
- Prepared for measuring system mounting of the X, Z and Z0 axes

Technical data ▼

Dimensions and weights			
Length (product) approx.	1525 mm	Width/depth (product) approx.	705 mm
Height (product) approx.	575 mm	Net weight approx.	261 kg
Work areas			

Max. height	158 mm	Max. width	720 mm
Swing diameter above machine bed	310 mm	Swing diameter above planing slide	190 mm
Bed width	180 mm		
Speed range			
Number of gears	6	Speed range	165 – 2400 min ⁻¹
Electrical Data			
Drive motor output	1,1 kW	Supply voltage	400 V
Mains frequency	50 Hz		
Spindle			
Spindle chuck	Camlock DIN ISO 702-2 No. 4	Spindle bore/rod passage diameter	38 mm
Spindle cone	MK 5	Tool holder max. chuck height	18 mm
Tailstock			
Tailstock chuck	MK 3	Tailstock quill stroke	70 mm
Tailstock quill diameter	38 mm		
Pitches			
Metric pitch	0,2 – 3,5 mm/rev	Number of metric pitches	18
Imperial pitch	56 – 8 Gg/1"	Number of imperial pitches	21
Travel			
Travel upper slide	65 mm	Travel cross slide	150 mm
Travel carriage saddle	600 mm		
Feed			
Longitudinal feed range	0,085 – 0,832 mm/rev	Number of longitudinal feeds	9
Flat feed range	0,01 – 0,1 mm/rev	Number of flat feeds	9

Accessories ▼



OPTIMUM four-jaw lathe chuck Cast Camlock, centre clamping

Ø 160 mm Camlock DIN ISO 702-2 No. 4

Article number ▼

3442840

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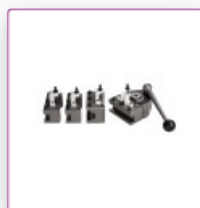
BISON four-jaw lathe chuck Cast Camlock centric exciting

Ø 160 mm Camlock DIN ISO 702-2 No. 4

Article number ▼

3450355

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Quick change tool kit

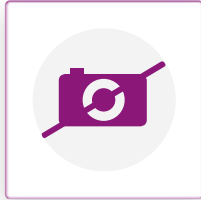
SWH 1 - A

Repeat accuracy 0.01 mm

Article number ▼

3384301

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Factory assembly
SWH 1-A

Article number ▼
9000401

OPTIMUM®
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Spare steel holder
20x90 type D

Article number ▼
3384302

OPTIMUM®
MASCHINEN - GERMANY



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

Article number ▼
3384321

OPTIMUM®
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Turning tool set
16 mm, 11 parts

Article number ▼
3441604

OPTIMUM®
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Turning tool set
HM 16 mm, 5-part

With carbide inserts
Article number ▼
3441668

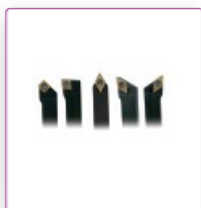
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Turning tool set
HM 16 mm, 5-part

Article number ▼
3441610

OPTIMUM®
MASCHINEN - GERMANY



Turning tool set
HM 16 mm, 5-part "Made in Germany"

Article number ▼
3441216

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Rotating bezel

Ø max. 55 mm

Article number ▼

3441460

OPTIMUM®
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Fixed bezel

for TU 3008 / TU 3008G / TU 3008V

Article number ▼

3441461

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Position stop

Micro

Article number ▼

3441475

OPTIMUM®
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Collet set

SPC 5C

Article number ▼

3441509

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Collet chuck

5C - No. 4

Article number ▼

3441554

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Substructure

MST 1

Article number ▼

3440409

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Digital position indicator

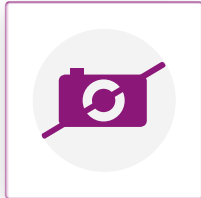
DRO 5

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

Article number ▼

3383975

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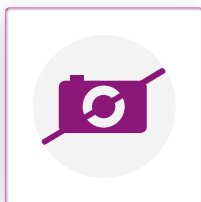
Magnetic tape

OMB10 for DRO5 1100 mm

Article number ▼

3383978

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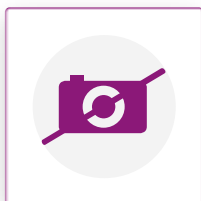
Mounting kit

for DRO5 to TU3008 / V

Article number ▼

3383985

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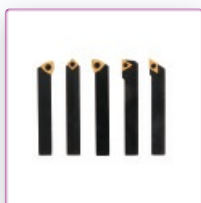
Factory assembly

MPA 3/4/DRO5

Article number ▼

9000420

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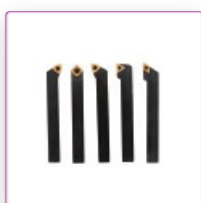
Turning tool set

HM 10 mm, 5-part

Article number ▼

3441664

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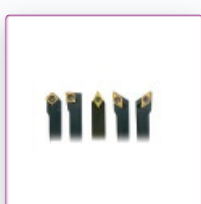
Turning tool set

HM 12 mm, 5-part

Article number ▼

3441666

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Turning tool set

HM 12 mm, 5-part "Made in Germany"


Article number ▼

3441212

OPTIMUM®
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Turning tool set
10 mm, 11-part

Article number 
3441602

OPTIMUM[®]
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Turning tool set
12 mm, 11-part

Article number 
3441603

OPTIMUM[®]
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Internal turning set
10 mm

Article number 
3441640

OPTIMUM[®]
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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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Clamping block set for lathes

16-05

Article number ▼

3440653

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Twist drill HSS with Morse taper

MT 3

Article number ▼

3051003

OPTIMUM®
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Face plate

Ø 300 mm Camlock DIN ISO 702-2 No. 4

Article number ▼

3442976

OPTIMUM®
MASCHINEN - GERMANY



Revolving centering point

MT 3

Article number ▼

3440703

OPTIMUM®
MASCHINEN - GERMANY



Revolving centering point

MT 3

Article number ▼

3440733

OPTIMUM®
MASCHINEN - GERMANY



Revolving centering point

MT 3

Article number ▼

3451003

OPTIMUM®
MASCHINEN - GERMANY



Universal coolant device

230 V

Article number ▼

3351999

OPTIMUM®
MASCHINEN - GERMANY



Leveling plate

SE 1

Article number ▼

3381012

OPTIMUM®
MASCHINEN - GERMANY



Vibration damper machine foot

SE 55

Article number ▼

3352981

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