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Product Brochure For K0012

# Opti-Turn Bench Lathe Package Deal - TU-3008G

Ø300 x 700mm Turning Capacity - Ø38mm Spindle Bore
12 Geared Head Speeds 125 ~ 2400rpm & Includes Stand & Turning Kit



OPTIMUM

**Package Deal**

| Ex GST | Inc GST |
|---|---|
| $5,004.00 | $5,754.60 |

| Package Contents - **SAVE $607.20 (Inc)** | |
|---|---|
| **1 x** L691 - Opti-Turn Bench Lathe TU-3008G | **$5,262.40** |
| **1 x** L690 - Lathe Stand ST-2506V | **$561.20** |
| **1 x** L0077 - Lathe Turning Tool Kit - 7 piece Insert Type | **$280.60** |
| **1 x** C290 - Heavy Duty Drill Chuck - Keyed Type | **$112.70** |
| **1 x** D443A - 3MT x JT3 Drill Chuck Arbor | **$32.20** |
| **1 x** C052 - 3MT Live Centre | **$112.70** |
| **Normal Price (Inc):** | **$6,361.80** |

| | |
|---|---|
| ORDER CODE: | K0012 |
| MODEL: | TU-3008G - Package Deal |
| Swing Over Bed (mm): | 300 |
| Distance Between Centres (mm): | 700 |
| Spindle Bore (mm): | 38 |
| Swing In Gap (mm): | ~ |
| Swing Over Cross-slide (mm): | 190 |
| Digital Readout System Fitted: | Optional |
| Quick Change Toolpost Fitted: | Optional |
| Leadscrew Covers Fitted: | ~ |
| Taper Turning Attachment: | ~ |
| Coolant System: | ~ |
| Tool Height To Suit (mm): | 12 |
| Centre Height (mm): | 150 |
| Spindle Nose Size or Type: | D1-4 |
| Bed Width (mm): | 180 |
| Headstock Spindle Taper (MT): | 5 |
| Tailstock Taper (MT): | 3 |
| Cross Slide Travel (mm): | 150 |
| Compound Slide Travel (mm): | 65 |
| Leadscrew Type: | Metric |
| Metric Cross Feed (X-Axis) (mm/rev): | 0.01 ~0.10 |
| Imperial Cross Feed (X-Axis) (inch/rev): | ~ |
| Metric Longitudinal Feed (Z-Axis) (mm/rev): | 0.085 - 0.83 |
| Imperial Longitudinal Feed (Z-Axis) (inch/rev): | ~ |
| Metric Thread Steps & Pitch (No. / mm): | 18 (0.2 - 3.5) |
| Imperial Thread Steps & TPI (No. / TPI): | 21 (8 - 56") |
| 3 Jaw Chuck Diameter (mm): | 160 |
| 4 Jaw Chuck Diameter (mm): | Optional |
| Spindle Steps / Speeds (No. / rpm): | 12 (125 - 2400) |
| Motor Power (kW / hp): | 1.5 / 2 |
| Voltage / Amperage (V / amp): | 240 / 10 |
| Nett Weight (kg): | 365 |

## Description

This new TU-3008G model geared head lathe of very modern design has many convenient facilities ideal for the enthusiastic model engineer for small component manufacturer. A very rigid 180mm cast iron bed width, induction hardened and ground slideways gives a high level of precision turning. The lathe capacity is 700mm between the centres and 300mm swing over the bed and with a generous 38mm spindle bore allowing larger stock to be placed through the headstock. The workhorse that drives this lathe has an upgraded powerful 2hp (1.5kW) motor providing smooth running.

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Other very useful features included are cross and longitudinal power feeds that's not normally found of small conventional lathes, quick lock tailstock and both metric and imperial thread cutting, ranging from 8-56 tpi or 0.2-3.5mm pitch. Also included are a 4-way indexing tool post with 16mm tool shank capacity, fine adjustment on the tailstock for taper turning and the rear splash guard. A 160mm 3-jaw chuck with reverse jaws is also supplied. There are many additional options available including a milling head (BF-16AV) or (BF-20AV) to turn this machine into a very capable all round machining centre.

## Features

- Geared headstock for quick change of 12 spindle speeds 125-2400rpm
- Ribbed prism bed made of grey cast iron
- Inductively hardened and ground bed guideways
- Automatic cross & longitudinal power feeds
- Spindle nose accuracy 0.009mm
- 3 Jaw chuck running accuracy 0.04mm
- D1-4 camlock spindle for quick chuck changes
- Forward & reverse spindle direction switch
- Oils sight glass on head-stock & gearbox
- Change gears for metric and imperial thread cutting
- Enclosed feed and threading gearbox
- Belt cover with tamper proof safety micro switch
- Heavy duty rotating safety chuck guard with micro switch
- Sliding tool post safety guard
- Cross slide & bed length are designed to fit Optimum DRO scales

## Includes

- TU-3008G - Opti-Turn Bench Lathe (L691)
- ST-2506V Lathe Stand (L690)
- Lathe Turning Tool Kit - 7 piece Insert Type (L0099)
- Heavy Duty - Drill Chuck - Keyed Type (C290)
- 3MT x JT3 - Drill Chuck Arbor (D443A)
- 3MT Live Centre (C052)
- Change gears for metric & Imperial thread cutting
- Chuck guard
- Toolpost guard
- 2  dead centres
- 3-jaw chuck with reversible jaws
- Swarf drip tray
- Rear splash guard

## Optional Accessories

- 200mm 4 jaw independent chuck - C252
- Travelling steady - L6917
- Fixed steady - L6916

## Specific Features



Right Front View



Front View



Shown with Optional Stand L690 Top View



Shown with Optional Stand L690 Left View

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# Product Brochure For K0012


Safety Chuck Guard


Safety Chuck Guard Open Position

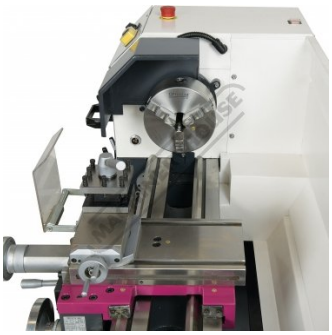


Headstock Controls



Spindle Speed Levers and Speed Chart

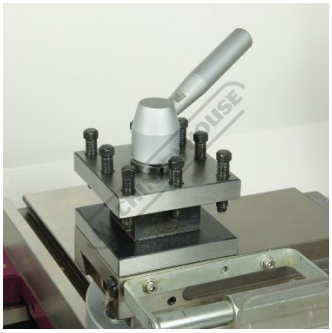

Headstock Controls

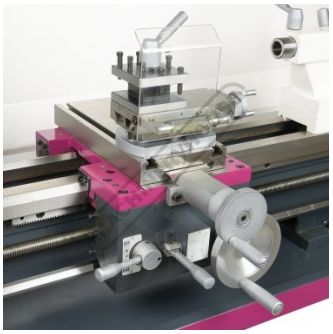

Top View Saddle and Chuck

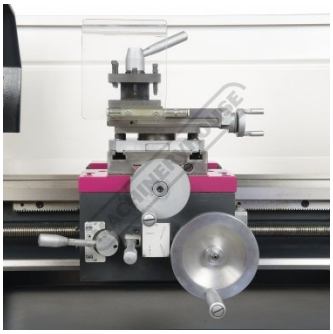

Spindle Direction and Emergency Stop Switches

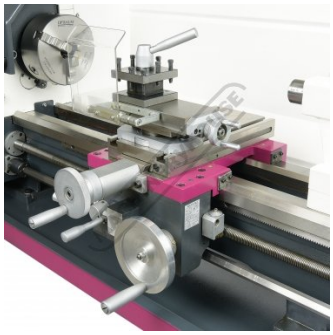

On Off Switch

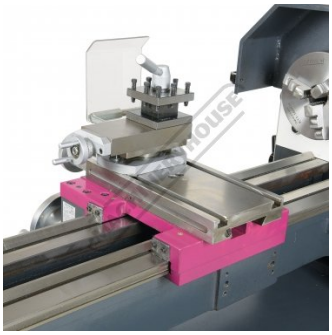

38mm Through Spindle Bore

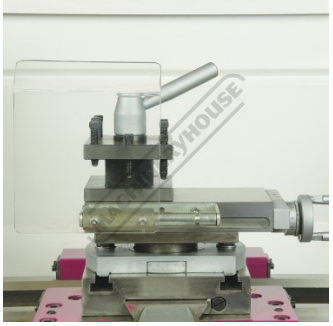

4 Way Toolpost

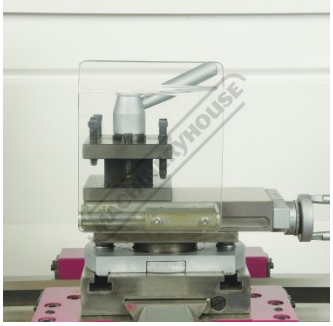

Saddle Left View


Saddle Front View


Saddle Right View


Saddle Rear View

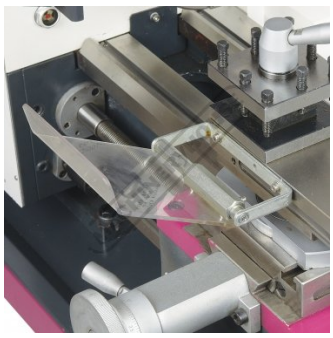

Safety Cutter Guard Left

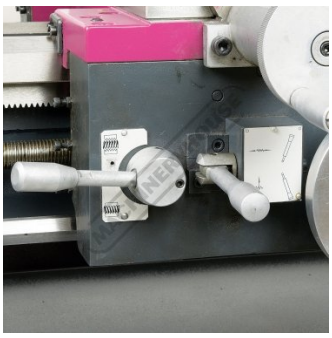

Safety Cutter Guard Right

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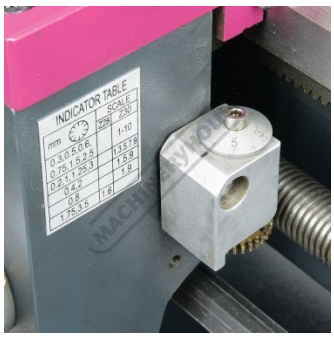
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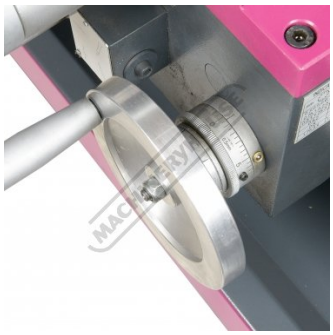

Safety Cutter Guard Tilted Down

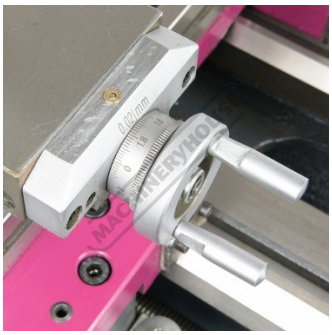

Feed and Thread Engagement Levers


Swivel Compound Slide



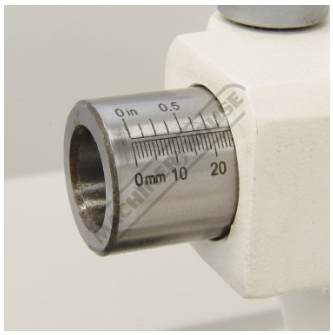
Thread Chasing Dial


Saddle Handwheel Graduations


Compound Slide Hand Wheel


Cross Feed Hand Wheel Graduations


Tailstock

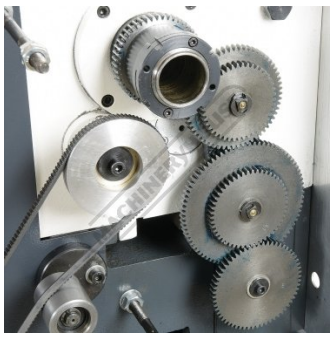


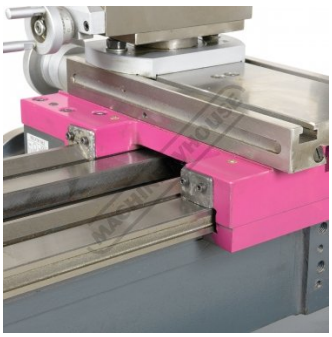
Tailstock Quill Graduations

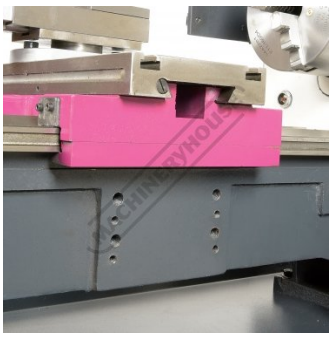

Tailstock Horizontal Adjustment


Tailstock Hand Wheel


Ground and Hardened Bed


Change Gears


Slides Ready For Mounting of DRO Scales


Mounting Point for Optional Milling Head


Parts Included

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## Recommended Accessories

L017
Right Hand Turning Tool Holder



L018
Left Hand Turning Tool Holder



L0077
Lathe Turning Tool Kit - 7 piece Insert Type



L451
Lathe Turning Tool Kit - 3 piece Insert Type



L457
Lathe Threading Tool Kit - Insert Type



L465
Professional Lathe Parting Tool Kit - Insert Type




L015
Right Hand Turning Tool Holder



L016
Left Hand Turning Tool Holder



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# Product Brochure For K0012

L0099
Lathe Turning Tool Kit - 7 piece Insert Type



L450
Lathe Turning Tool Kit - 3 piece Insert Type



L456
Lathe Threading Tool Kit - Insert Type



L464
Professional Lathe Parting Tool Kit - Insert Type

