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Product Brochure For K8251

Centre Lathe with Digital Readout - Includes Tooling Package - AL-1324 DRO, 240V

Built to School Specifications

NSW DOE Item 32A



Made in Taiwan

1 YEAR WARRANTY

15A PLUG 240V

Please Call

ORDER CODE:	K8251
NSW DOE Item No.:	32A
QLD DOE Item No.:	~
MODEL:	Schools/TAFE AL-1324 DRO &
Digital Readout:	Yes
Tool To Suit (mm):	16
Distance Between Centres (mm):	600
Swing Over Bed (mm):	330
Swing Over Gap (mm):	~
Swing Over Cross-slide (mm):	200
Centre Height (mm):	165
Spindle Bore (mm):	Ø40
Camlock Spindle Size:	D1-4
Bed Width (mm):	190
Head Stock Spindle Taper (MT):	5
Tail Stock Taper (MT):	3
Cross Slide Travel (mm):	175
Compound Slide Travel (mm):	100
Lead Screw:	Metric
Cross Feed (mm/rev):	0.034 ~ 0.468
Longitudinal Feed (mm/rev):	0.068 ~ 0.936
Metric Thread Range (No. / mm):	30 (0.4 - 7.0)
Imperial Thread Range (No. / TPI):	32 (4 - 56)
3 Jaw Chuck Diameter (mm):	Ø160
4 Jaw Chuck Diameter (mm):	Ø200
Spindle Steps/speeds (No. / RPM):	9 / 82-2000
Motor Power (kW / hp):	1.5 / 2
Voltage / Amperage (V / amp):	240 / 15
Nett Weight (kg):	660

Description

The AL-1324 is proudly manufactured in Taiwan and is equipped with all the necessary safety features to meet the standards set by the education department. This machine includes a leadscrew cover, a chuck guard with a micro switch, a micro switch on the side access door, and an emergency foot brake. These advanced safety features make the AL-1324 an excellent choice for protecting students as they learn and develop their skills.

Features

- Toolroom quality precision lathe
- Manufactured in Taiwan and sold for over 25 years
- 2 Axis Digital Readout System
- Gear drive headstock for quick change of spindle speeds
- Stand increasing rigidity and reducing vibration
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Change gears for metric and imperial thread cutting
- Oil sight glass for head stock and gearbox
- Adjustable taper roller bearings support the spindle
- 2HP/240V motor, 9-speed (82 - 2000rpm)
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- D1-4 camlock spindle for quick chuck changes and safe reverse-direction turning. ISO standard
- Dual calibrated dials
- Coolant system with flexible hose
- Slide out swarf tray

Safety Features

Foot operated spindle brake with safety cut out switch

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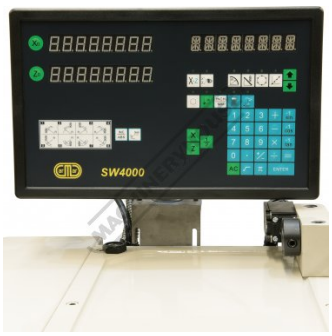
- Interlocked safety chuck guard
- Interlocked change gear cover with integrated tool-locking mechanism
- Leadscrew cover ensures swarf not reaching clasp nut
- Emergency stop switch fitted to headstock
- Overload protection on drive motor and coolant system
- Overload clutch mechanism on auto power feed
- Keyed isolation switch - PWD approved
- Test and tag certificate on 240V lead

Includes

- Factory fitted 2-Axis digital readout system
- Ø160mm 3-jaw chuck with reverse jaws - D1-4 mount
- Ø200mm 4-jaw chuck - D1-4 mount
- Ø200mm Drive Plate - D1-4 mount
- Fixed Steady
- Travelling steady
- Dead centre
- Spindle reducing bush
- Thread chasing dial
- Rear splash guard
- 16mm Turning Tool Kit (L451)
- Parting Tool Holder (L074)
- HSS Parting Blade (L0007)
- 13mm Keyless Drill Chuck (C292)
- 3MT x JT6 Drill Chuck Arbor (D443)
- 3MT Live Centre (C052)
- Knurling Tool Holder - Clamp type (L080)
- Lathe Carrier 38mm - Bent tail (L081)
- 6 x Machine mounts - 500kg capacity (M002)
- Spanners, toolbox & operators manual

Specific Features

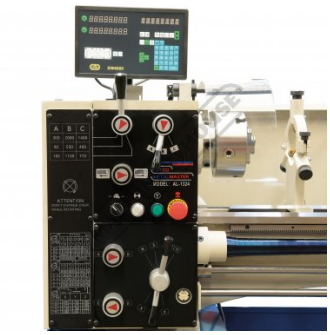

Left View



2 Axis Digital Readout

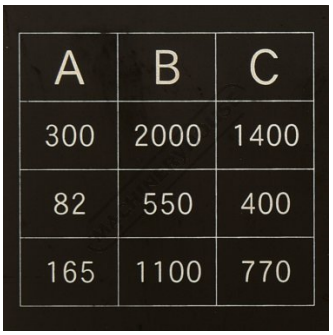

Chuck Guard with Safety Micro


Safety Chuck Guard Up


Headstock



Spindle Speed Levers



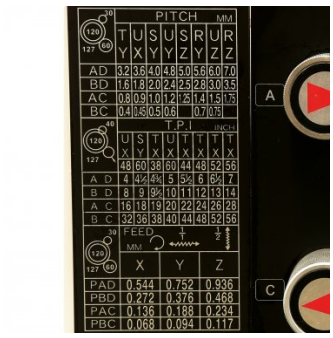
Spindle Speed Chart



Enclosed Quick Change Gearbox

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Thread & Feed Chart

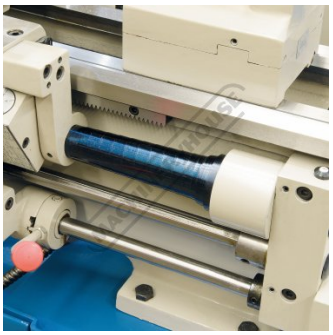

Foot Brake


Sliding Drip Tray for Swarf Removal

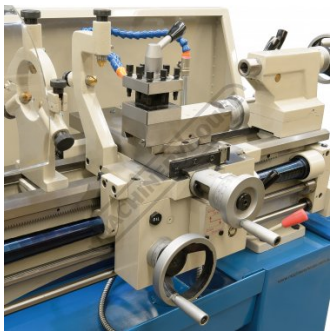

3 Jaw Chuck

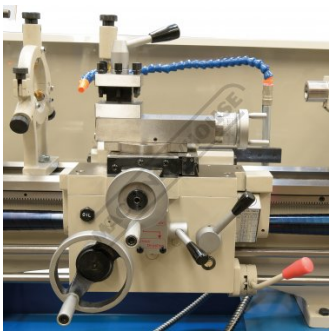

Fixed and Travelling Steadies

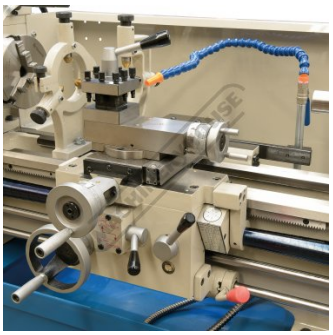

Leadscrew Cover Front

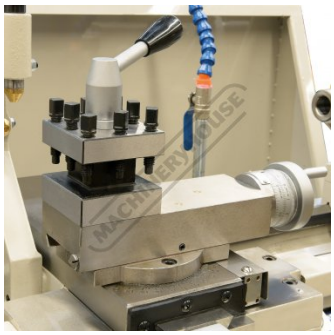

Leadscrew Cover Rear


Flexible Coolant Hose


Saddle Left View


Saddle Front View


Saddle Right View


Toolpost



Thread Chasing Dial


Foward Reverse Spindle Lever



Feed Levers

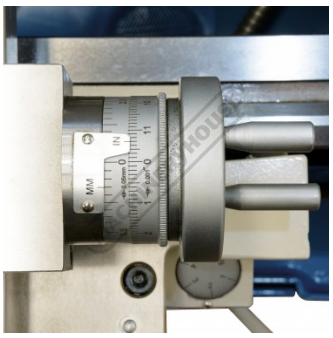

Swivel Compound Slide

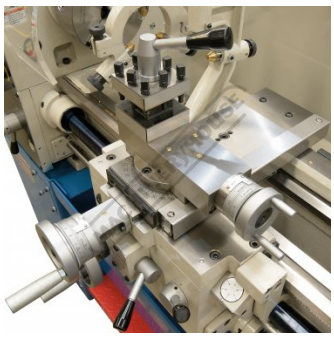
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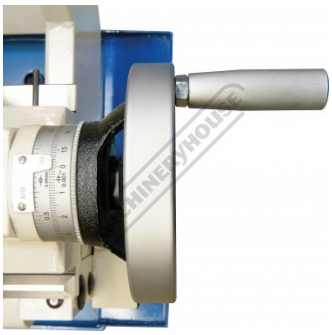

Cross Slide Hand Wheel


Saddle Hand Wheel


Compound Slide Hand Wheel


Compound Slide


Tailstock

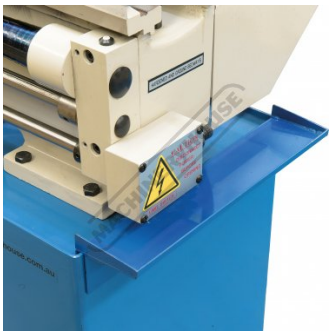

Tailstock Hand Wheel


Tailstock Quill Graduations


Tailstock Horizontal Adjustment



Hardened and Ground Bedways


Bed Drip tray


Toolbox


16mm Turning Tool Kit L451


Parting Tool Holder L074


HSS Parting Blade L011B


13mm Keyless Drill Chuck C292

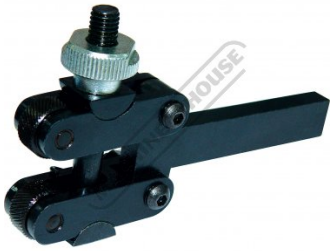

3MT x JT6 Drill Chuck Arbor D443

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3MT Live Centre C052



Knurling Tool Holder Clamp Type-L080



6 x 500kg capacity Machine Mounts M002



Lathe Carrier 38mm Bent Tail-L081



Drive Plate

Recommended Accessories

A358
Sky Hook Lifting Device



A358A
Chuck Hook



L457
Lathe Threading Tool Kit - Insert Type



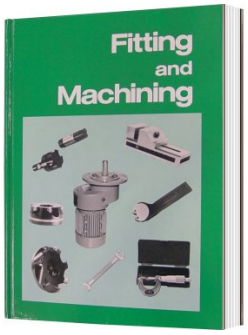
L465
Professional Lathe Parting Tool Kit - Insert Type



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Product Brochure For K8251

L341
Fitting and Machining Technical Book



L295
Quick Change Toolpost



L295A
Quick Change Toolpost Holder - Std



M800
Rubber Mat - Anti-Fatigue

