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Product Brochure For K8714D

AL-1000D Centre Lathe with Digital Readout - Includes Tooling Package - QLD Schools / TAFE

360 x 1000mm Turning Capacity

QLD Contract Item No. 4.4



Please Call

ORDER CODE:	K8714D
NSW DOE Item No.:	~
QLD DOE Item No.:	4.4
MODEL:	Schools/TAFE AL-1000D DRO
Digital Readout:	Yes
Tool To Suit (mm):	16
Distance Between Centres (mm):	1000
Swing Over Bed (mm):	360
Swing Over Gap (mm):	516
Swing Over Cross-slide (mm):	225
Centre Height (mm):	178
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):	18 (50 - 2000)
Motor Power (kW / hp):	2.25 / 3
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	700

Features

- Tool room quality precision lathe, Made in Taiwan
- Gear drive headstock for quick change of spindle speeds
- Removable gap bed-way for larger diameter jobs
- Change gears for metric and imperial thread cutting
- Powered longitudinal cross feeds
- Dual calibrated dials (except for saddle hand wheel)
- Enclosed quick action gearbox for thread cutting and auto feeding
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Slide out swarf tray for easy cleaning
- Oil sight glass for head stock and gearbox
- Adjustable taper roller bearings support the spindle
- Overload clutch mechanism on auto power feed
- Inching button is incorporated on the control panel for convenient spindle speed selection
- 9 spindle speeds (82-2000rpm) - 240V model
- 18 spindle speeds (50-2000rpm) - 415V model

Safety Features

- Foot operated spindle brake with safety cut out switch
- Overload protection on drive motor and coolant system
- Leadscrew cover
- Emergency stop switch on headstock & on tailstock plinth
- Interlocked safety chuck guard
- Interlocked change gear cover
- 240V model with test and tag certificate

Includes

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- 2 Axis DRO
- 160mm 3-jaw chuck with reverse jaws
- 200mm 4-jaw chuck
- Face plate
- Fixed & travelling steadies
- Change gears
- Dead centres
- Thread chasing dial
- Stand with slide out swarf tray
- Rear splash guard
- Coolant system
- Spanners
- Toolbox
- Operators manual
- (L451) 16mm Turning Tool Kit
- (C294) 0-16mm Industrial Drill Chuck
- (D443A) 3MT x JT3 Drill Chuck Arbor
- (L080) Clamp Type Knurling Tool Holder
- (L074 & L0007) Parting Tool Holder & HSS Blade
- (C052) 3MT Live Centre
- (M002) Steel Machine Mount & Rubber Insert - 500kg Load Capacity (x6)

Specific Features

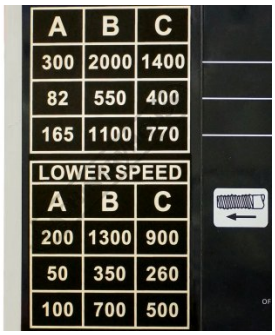


2 Axis Digital Readout


Headstock Controls



Control Panel



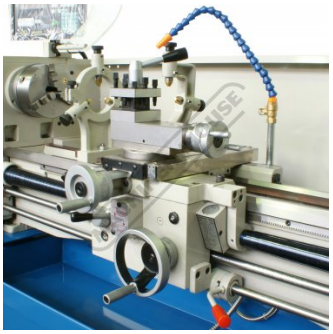
Speed Chart

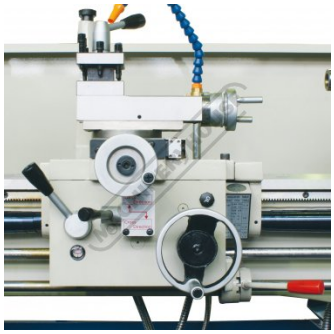


Feeds and Threads Gearbox Controls



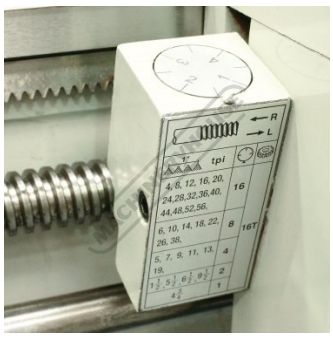
Thread Charts


Saddle Right View


Saddle Controls

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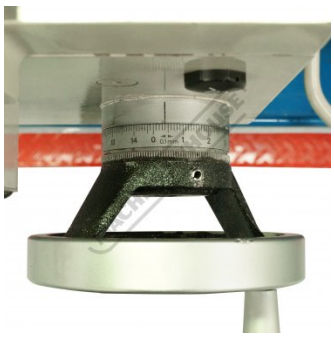
Product Brochure For K8714D


Thread Chasing Dial



Thread-Feed Engagement Levers

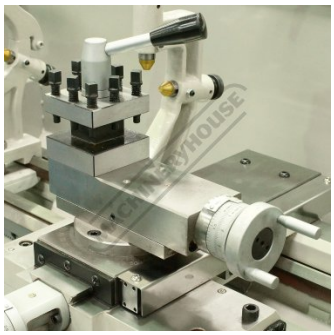

Spindle Engagement Lever

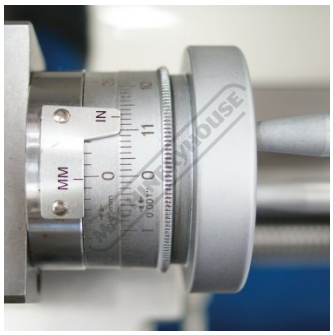

Saddle Hand Wheel


3 Point Travelling Steady


Travelling Steady


Swivel Compound with Scale


Compound Slide with 4 Way Toolpost


Compound Dial


Cross Slide Dial


Flexible Coolant Hose


Safety Chuck Guard


Tailstock

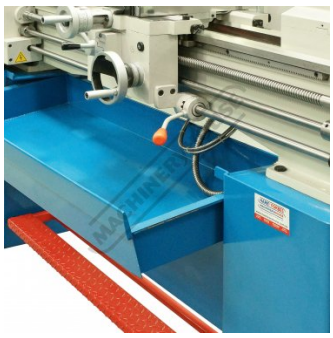

Taistock Hand Wheel


Tailstock Offset Adjustment


Hardened-Ground Bedways

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Product Brochure For K8714D



Slide Out Swarf Tray



Foot Brake



C052 3MT Live Centre



C294 16mm Keyless Drill Chuck



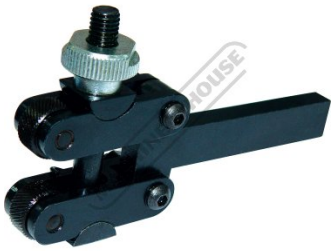
D443A 3MT x JT3 Drill Chuck Arbor



L0007 Part Off Blade High Speed Steel Bit



L074 Parting Tool Holder Suits 12 HSS Tool Bit



L080 Knurling Tool Holder Clamp Type



L451 Lathe Turning Tool Kit 3 piece Insert Type



M002 Steel Machine Mount Rubber Insert

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Recommended Accessories

A358
Sky Hook Lifting Device



A358A
Chuck Hook



L258
Taper Turning Attachment



C052
3MT Live Centre



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



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Product Brochure For K8714D

S090A
Soluble Metal Cutting Fluid - 1 Litre



S090
Soluble Metal Cutting Fluid - 5 Litre



S076
Cutting Tool Lubricant Fluid - 500ml



S077
Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



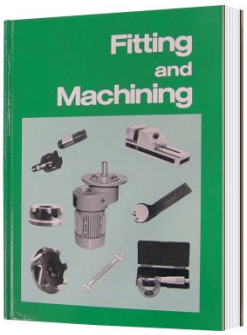
S075
Cutting Tool Lubricant Paste - 200g



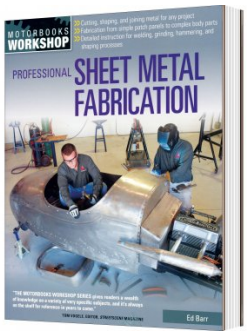
S074
Cutting Tool Lubricant Paste - 500g



L341
Fitting and Machining Technical Book



L3455
Professional Sheet Metal Fabrication Book



L295
Quick Change Toolpost



L295A
Quick Change Toolpost Holder - Std



L277
Vertical Mill Slide



D126
Metric 135º Precision HSS M35 COBALT Drill Set - 170 Pieces



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Product Brochure For K8714D

D1282
Imperial 135º Precision HSS M35 COBALT Drill Set - 29 Piece



C980
5C Collet Lathe Adaptor



L076
Knurling Tool Holder Kit



C294
Industrial Drill Chuck - Keyless Type



D443A
3MT x JT3 Drill Chuck Arbor



D719
150mm Easson Digital Readout Scale



D734
900mm Easson Digital Readout Scale



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue

