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Product Brochure For K8710D

AL-356 Centre Lathe with Digital Readout - Includes Tooling Package - Schools / TAFE

356 x 1000mm Turning Capacity



Please Call

ORDER CODE:	K8710D
NSW DOE Item No.:	~
QLD DOE Item No.:	~
MODEL:	Schools/TAFE AL-356 DRO &
Digital Readout:	Yes
Tool To Suit (mm):	16
Distance Between Centres (mm):	1000
Swing Over Bed (mm):	356
Swing Over Gap (mm):	476
Swing Over Cross-slide (mm):	224
Centre Height (mm):	178
Spindle Bore (mm):	Ø51
Camlock Spindle Size:	D1-5
Bed Width (mm):	187
Head Stock Spindle Taper (MT):	6
Tail Stock Taper (MT):	4
Cross Slide Travel (mm):	160
Compound Slide Travel (mm):	68
Lead Screw:	Metric
Cross Feed (mm/rev):	0.022 - 0.298
Longitudinal Feed (mm/rev):	0.078 - 1.044
Metric Thread Range (No. / mm):	32 (0.45 - 10)
Imperial Thread Range (No. / TPI):	20 (2-1/4 - 40)
3 Jaw Chuck Diameter (mm):	200
4 Jaw Chuck Diameter (mm):	200
Spindle Steps/speeds (No. / RPM):	16 (35 - 1900)
Motor Power (kW / hp):	1.8 / 2.4
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	650

Features

- Gear drive headstock for quick change of spindle speeds
- Precision 'V'-beds are hardened and ground, incorporating a rigid webbed casting
- Adjustable taper roller bearings support the spindle
- 16 spindle speeds (35-1900rpm)
- Powered longitudinal and cross feeds
- D1-5 camlock spindle for quick and accurate chuck removal
- Removable gap bed-way for larger diameter jobs
- Dual calibrated dials (except for saddle hand-wheel)
- Enclosed quick action gearbox for thread cutting and auto feeding
- Inching button is incorporated on the control panel for convenient spindle speed selection
- Oil sight glass for head stock and gearbox
- Change gears for metric and imperial thread cutting
- Slide out swarf tray

Safety Features

- Foot operated spindle brake with safety cut out switch
- Interlocked safety chuck guard
- Interlocked change gear cover
- Leadscrew cover
- Raised red emergency stop switch
- Padlockable isolation switcht

- OPTIONAL SAFETY ELECTRICS
- (ES310) Optional Safety Estop - Additional to standard Estop

Includes

- 2 Axis DRO

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Product Brochure For K8710D

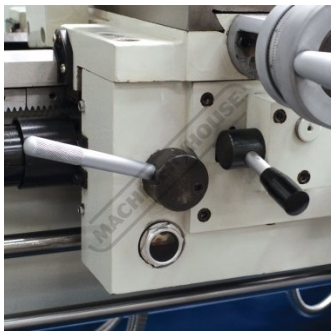
- 3-Jaw Chuck
- 4-Jaw Chuck
- Change Gears
- Face Plate
- Dead Centre
- Fixed & Travelling Steadies
- Thread Chasing Dial
- Lathe Stand
- Foot Brake
- Coolant System with Flexible Hose
- Work Light
- Slide out Swarf Tray
- Leadscrew Cover
- Quick Change Toolpost
- (C054) 4MT Live Centre
- (C294) Industrial Drill Chuck - Keyless Type
- (D454A) 4MT x JT3 Drill Chuck Arbor
- (L0007) Part Off Blade - High Speed Steel Bit
- (L074) Parting Tool Holder - Suits 1/2" HSS Tool Bit
- (L080) Knurling Tool Holder - Clamp Type
- (L451) Lathe Turning Tool Kit - 3 piece Insert Type
- (M002) Steel Machine Mount & Rubber Insert - 500kg Load Capacity (x6)

Specific Features

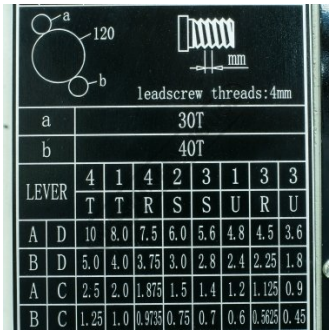

2 Axis Digital Readout


3 Jaw Chuck and Safety Guard


Quick Change Toolpost

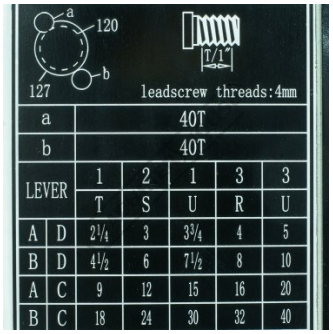

Feed and Screw Cutting Lever


Gearbox Feed Dials



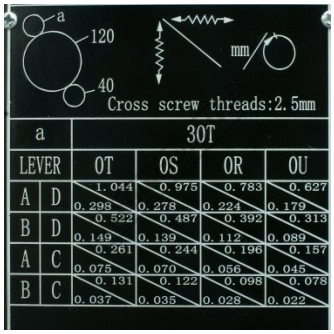
a		30T							
b		40T							
LEVER		4	1	4	2	3	1	3	3
		T	T	R	S	S	U	R	U
A	D	10	8.0	7.5	6.0	5.6	4.8	4.5	3.6
B	D	5.0	4.0	3.75	3.0	2.8	2.4	2.25	1.8
A	C	2.5	2.0	1.875	1.5	1.4	1.2	1.125	0.9
B	C	1.25	1.0	0.9735	0.75	0.7	0.6	0.5625	0.45

Metric Thread Chart



a		40T				
b		40T				
LEVER		1	2	1	3	3
		T	S	U	R	U
A	D	2¼	3	3¾	4	5
B	D	4½	6	7½	8	10
A	C	9	12	15	16	20
B	C	18	24	30	32	40

Imperial Thread Chart



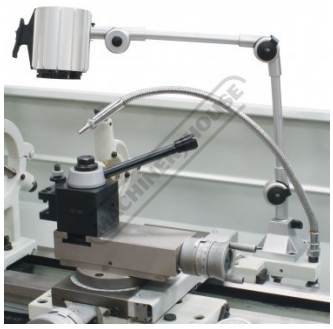
a		30T			
LEVER		OT	OS	OR	OU
A	D	1.044 0.298	0.975 0.278	0.783 0.224	0.627 0.179
B	D	0.522 0.149	0.487 0.139	0.392 0.112	0.313 0.089
A	C	0.261 0.075	0.244 0.070	0.196 0.056	0.157 0.045
B	C	0.131 0.037	0.122 0.035	0.098 0.028	0.078 0.022

Longitudinal and Cross feed Chart

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Product Brochure For K8710D


Fixed and Travelling Steadies


Light and Coolant


Tailstock

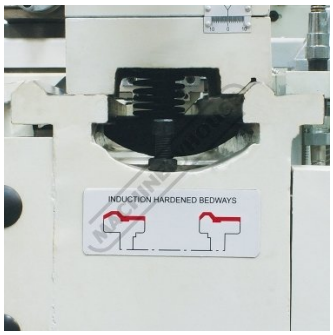

Thread Chasing Dial


Cross Feed Handwheel

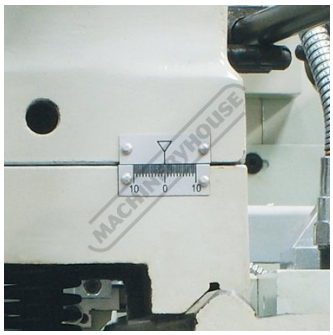

Swivel Compound Table

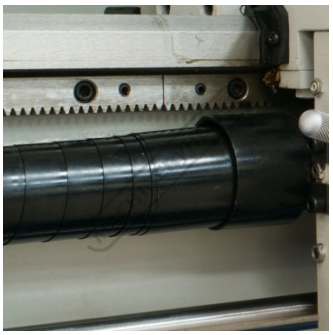

Saddle Feed Handwheel

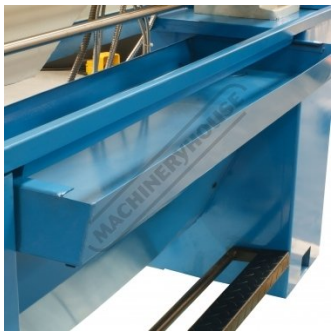

Tail Stock Feed Handwheel

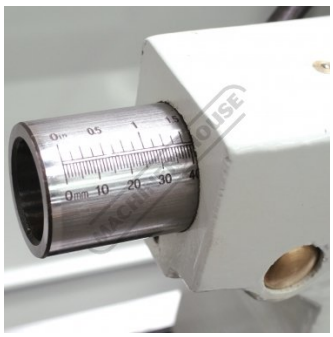


Induction Hardened Bed Ways


Adjustable Tailstock


Leadscrew Covers


Slideout Swarf Tray

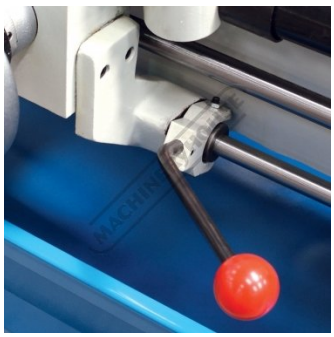

Tailstock Quill Graduations



Spindle Speed Selectors

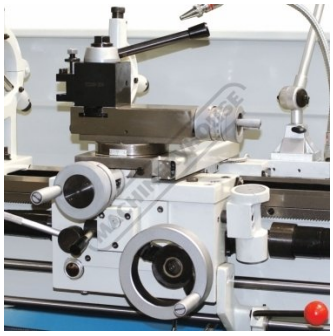


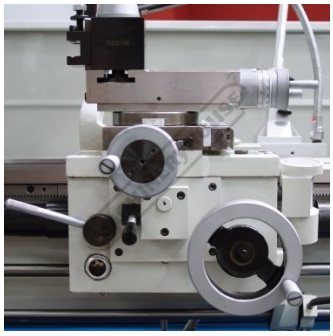
Headstock Controls

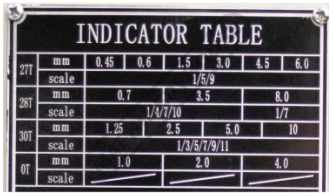

Spindle Engagement Lever

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Product Brochure For K8710D


Saddle Right View


Saddle Front View



Indicator Table For Thread Chasing


Compound Slide Handle



2 Speed Switch

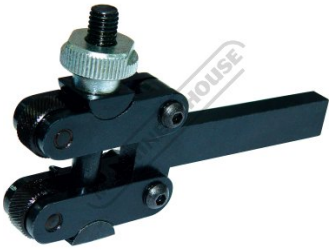

C054 4MT Live Centre


C294 16mm Keyless Drill Chuck


D454A 4MT 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

ES310
Emergency Stop Switch Plus Box Type Enclosure



A358
Sky Hook Lifting Device



A358A
Chuck Hook



L300
Magnetic Swarf Remover



M9991
Magnetic Floor Sweeper



L0077
Lathe Turning Tool Kit - 7 piece Insert Type



L0078
Carbide Inserts - General Purpose



L451
Lathe Turning Tool Kit - 3 piece Insert Type



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Product Brochure For K8710D

L465
Professional Lathe Parting Tool Kit - Insert Type



L457
Lathe Threading Tool Kit - Insert Type



C054
4MT Live Centre



L076
Knurling Tool Holder Kit



C290
Heavy Duty Drill Chuck - Keyed Type



D454A
4MT x JT3 Drill Chuck Arbor



D1272
Metric 135º Precision HSS M35 COBALT Drill Set - 25 Piece



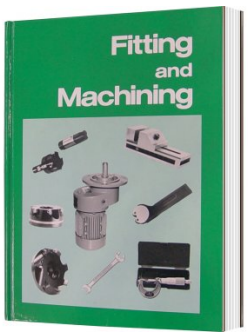
D1282
Imperial 135º Precision HSS M35 COBALT Drill Set - 29 Piece



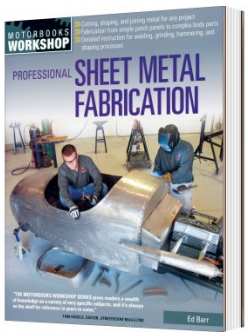
D126
Metric 135º Precision HSS M35 COBALT Drill Set - 170 Pieces



L341
Fitting and Machining Technical Book



L3455
Professional Sheet Metal Fabrication Book



M800
Rubber Mat - Anti-Fatigue



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Product Brochure For K8710D

M805
Rubber Mat - Anti-Fatigue



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



O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive

