

Product Brochure For L252VST

Champion 1530VS Centre Lathe - with Digital Readout System - Schools / TAFE

390 x 760mm Turning Capacity

Includes Digital Readout System, Variable Spindle Speed & (CSS)
 Constant Surface Speed System



ORDER CODE:	L252VST
NSW DOE Item No.:	~
QLD DOE Item No.:	~
MODEL:	Schools/TAFE Champion
Digital Readout:	Yes
Tool To Suit (mm):	25
Distance Between Centres (mm):	760
Swing Over Bed (mm):	390
Swing Over Gap (mm):	~
Swing Over Cross-slide (mm):	240
Centre Height (mm):	190
Spindle Bore (mm):	Ø54
Camlock Spindle Size:	D1-6
Bed Width (mm):	270
Head Stock Spindle Taper (MT):	6
Tail Stock Taper (MT):	4
Cross Slide Travel (mm):	230
Compound Slide Travel (mm):	120
Lead Screw:	Metric
Cross Feed (mm/rev):	0.02 - 0.5
Longitudinal Feed (mm/rev):	0.040 - 1.00
Metric Thread Range (No. / mm):	39 (0.2 - 14)
Imperial Thread Range (No. / TPI):	45 (2 - 72)
3 Jaw Chuck Diameter (mm):	Ø250
4 Jaw Chuck Diameter (mm):	Ø250
Spindle Steps/speeds (No. / RPM):	Variable / 18-2500
Motor Power (kW / hp):	5.5 / 7.5
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	1500



Description

Manufactured in Taiwan, Jesco has been producing high-quality center lathes for over 30 years. As an OEM manufacturer for a leading British lathe brand, Jesco is renowned for its exceptional craftsmanship and reliability.

The Variable Speed Champion lathe offers a spindle speed of up to 2500 RPM and features a constant surface speed function (CSS) that adjusts the spindle speed automatically to maintain a constant cutting speed between the tool and the workpiece surface. It is especially useful for achieving consistent finishes and efficient cutting during operations like turning, facing, or tapering.

Designed with operator safety in mind, it includes features such as leadscrew covers, chuck and chip guards, an emergency stop switch, and a convenient footbrake. Additionally, all models can be specially ordered with premium digital readout systems from brands like Fagor, Easson, Carmar, Heidenhain, Sony, Mitutoyo, and Measumax.

Features

- 2 axis digital readout system
- Schneider Electric Varispeed high-performance, Low-noise, Inverter drive
- Variable Speed 18-2500rpm with high/low speed selector
- Dual braking system - Mechanical footbrake plus electromagnetic for safety
- Constant surface speed cutting - Allows for auto acceleration of the spindle when facing or reducing diameters
- Noise levels below 80dba
- Precision Taiwanese machine, sold for over 34 years
- Adjustable taper roller bearings providing spindle accuracy
- Precision 'V'-beds & headstock gears are all hardened & ground
- Chuck guard with safety micro switch cut out
- Sliding toolpost guard deflects swarf into tray
- Overload protection on drive motor and coolant system
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- Inching button incorporated on the control panel for convenient spindle speed selection
- Foot operated spindle brake with safety cut out switch
- 270mm wide induction hardened heavy duty cast iron bed
- Powered longitudinal and cross feeds
- Clutch in apron enabling pressure adjustment for feeding in both axis

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- Metric calibrated dials incorporating metric & imperial graduations
- Coolant system with flexible hose enabling operator to manipulate flow direction
- Oil sight glass for head stock and gearbox
- Lubrication pump on saddle oiling slides
- Change gears for metric and imperial thread cutting
- D1-6 camlock spindle for quick chuck removal
- Large 54mm spindle bore
- 5.5kW / 7.5HP 415V main motor

Includes

- 250mm 3-jaw chuck with reverse jaws
- 250mm 4-jaw chuck
- Fixed Steady with roller bearings
- Travelling steady with roller bearings
- Chuck guard
- Travelling toolpost guard
- Dead centres
- Thread chasing dial
- Foot brake
- Coolant system
- Rear splash guard
- Spindle reducing bush
- Instruction booklet

Specific Features



Chuck guard with safety micro switch cut out



2 Axis digital readout system



Constant Surface Speed Digital Readout



Speed Digital Readout



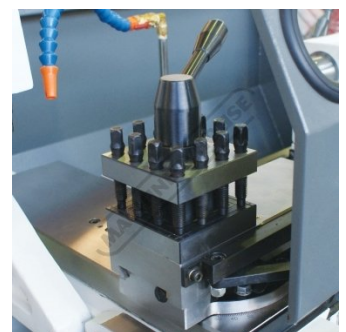
Headstock controls



Speed Control Lever



Feed Lever

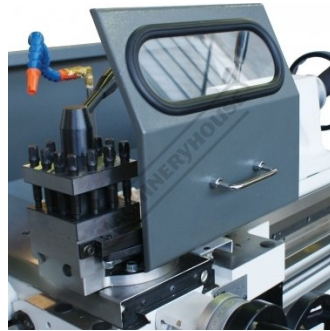


Toolpost

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Sliding toolpost guard deflects swarf into tray-Closed



Sliding toolpost guard deflects swarf into tray-Open



Heavy duty tailstock



Slide out tray for easy cleaning



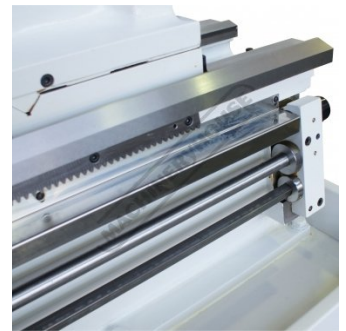
2 Point Steady



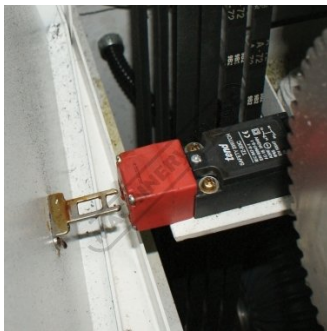
3 Point Steady



Bed



Leadscrew covers



Safety Micro to Belt Cover



Coolant Nozzle



Compound Slide



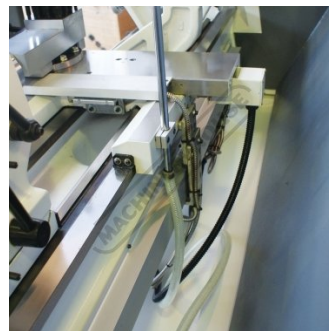
Cross Slide Handle



Saddle Handle



Electro Magnetic Disc Brake



Scale for DRO

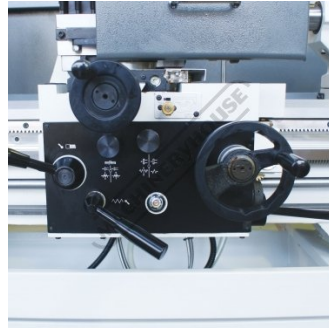


Adjustable Feed Torque Clutch

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Thread Chasing Dial



Saddle controls



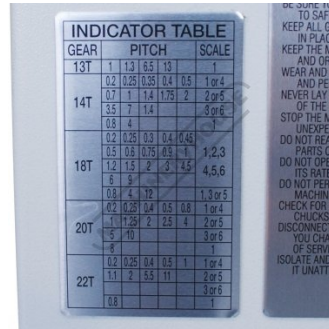
Lubrication pump for slide



Mechanical Foot Brake



Leadscrew Covers



Indicator Table



Feed Chart and Levers

Recommended Accessories

L453

Lathe Turning Tool Kit - 3 piece Insert Type



L459

Lathe Threading Tool Kit - Insert Type



L467

Professional Lathe Parting Tool Kit - Insert Type



C054

4MT Live Centre



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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



D1272
 Metric 135° Precision HSS Drill Set - 25 Piece



D1282
 Imperial 135° Precision HSS Drill Set - 29 Piece



D126
 Metric 135° Precision HSS Drill Set - 170 Pieces



C294
 Industrial Drill Chuck - Keyless Type



D454A
 4MT x JT3 Drill Chuck Arbor



D119
 Metric 2MT HSS Drill Set



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D424
Drill Sleeve - Morse Taper

D422
Drill Sleeve - Morse Taper

M800
Rubber Mat - Anti-Fatigue

M805
Rubber Mat - Anti-Fatigue

