

Product Brochure For L252VS

## 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

### Please Call



|                                    |                         |
|------------------------------------|-------------------------|
| ORDER CODE:                        | L252VS                  |
| 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
- 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

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- Powered longitudinal and cross feeds
- Clutch in apron enabling pressure adjustment for feeding in both axis
- Metric calibrated dials with clearly marked 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
- Dead centres
- Thread chasing dial
- Foot brake
- Coolant system
- Rear splash guard
- Spindle reducing bush
- Instruction booklet

### Optional Accessories

- Toolpost Safety Guard

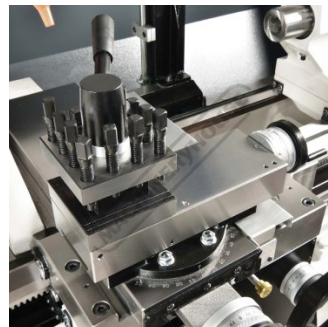
### Specific Features



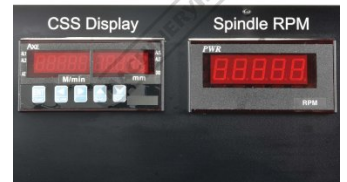
Low View



Headstock Controls



Toolpost



Speed Digital Readout and CSS Display



DRO



Thread Chasing Dial



Chuck Guard with Safety Micro Switch



3 Point Fixed Steady

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3 Point Travelling Steady



Heavy Duty Tailstock



Slide Out Tray

| GEAR | PITCH |      | SCALE   |
|------|-------|------|---------|
| 13T  | 1     | 1.3  | 0.5     |
|      | 2     | 2.6  | 1 or 4  |
|      | 3     | 3.9  | 0.5     |
| 14T  | 0.7   | 1    | 1.75    |
|      | 1     | 1.4  | 2       |
|      | 2     | 2.8  | 3 or 6  |
|      | 3     | 4.2  | 1       |
| 18T  | 0.2   | 0.25 | 0.4     |
|      | 0.5   | 0.5  | 0.5     |
|      | 1     | 1    | 1       |
|      | 2     | 2    | 1, 2, 3 |
|      | 3     | 3    | 4, 5, 6 |
|      | 6     | 6    | 9       |
| 20T  | 0.8   | 4    | 12      |
|      | 1     | 1.25 | 2       |
|      | 2     | 2.5  | 4       |
|      | 3     | 3.75 | 6       |
| 22T  | 0.2   | 0.25 | 0.4     |
|      | 0.5   | 0.5  | 0.5     |
|      | 1     | 1    | 1 or 4  |

Indicator Table



Adjustable Light Coolant Nozzle



One Shot Lubrication



Optional Saddle Safety Guard



Optional Saddle Safety Guard

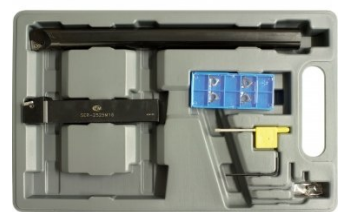
Recommended Accessories

A358  
Sky Hook Lifting Device

A358A  
Chuck Hook

L453  
Lathe Turning Tool Kit - 3 piece  
Insert Type

L459  
Lathe Threading Tool Kit - Insert  
Type



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**L467**  
 Professional Lathe Parting Tool  
 Kit - Insert Type



**C054**  
 4MT Live Centre



**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



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**D454A**  
4MT x JT3 Drill Chuck Arbor



**D119**  
Metric 2MT HSS Drill Set



**D424**  
Drill Sleeve - Morse Taper



**D422**  
Drill Sleeve - Morse Taper



**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue

