

## Product Brochure For L255VS

### Centre Lathe - CHAMPION 1550VS

Ø390 x 1250mm Turning Capacity - Ø55mm Spindle Bore  
Includes Digital Readout System, Variable Spindle Speed & (CSS)  
Constant Surface Speed System

**On Sale**

Ex GST

Inc GST

**\$45,690.00**

**\$52,543.50**

**\$45,000.00**

**\$51,750.00**



**JESCO**



ORDER CODE:	L255VS
MODEL:	DASHIN CHAMPION 2500
Swing Over Bed (mm):	390
Distance Between Centres (mm):	1250
Spindle Bore (mm):	55
Swing In Gap (mm):	610
Swing Over Cross-slide (mm):	240
Digital Readout System Fitted:	Yes
Quick Change Toolpost Fitted:	Optional
Leadscrew Covers Fitted:	Yes
Taper Turning Attachment:	~
Coolant System:	Yes
Tool Height To Suit (mm):	20
Centre Height (mm):	190
Spindle Nose Size or Type:	D1-6
Bed Width (mm):	270
Headstock Spindle Taper (MT):	6
Tailstock Taper (MT):	4
Cross Slide Travel (mm):	230
Compound Slide Travel (mm):	120
Leadscrew Type:	Metric
Metric Cross Feed (X-Axis) (mm/rev):	0.02 - 0.5
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	0.040 - 1.00
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	~
Metric Thread Steps & Pitch (No. / mm):	39(0.2 - 14)
Imperial Thread Steps & TPI (No. / TPI):	45(2 - 72)
3 Jaw Chuck Diameter (mm):	230
4 Jaw Chuck Diameter (mm):	250
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
- Constant surface speed cutting - Allows for auto acceleration of the spindle when facing or reducing diameters
- Electronic variable speed system 18-2500rpm, with high/low speed selector - low noise emissions below 80dba

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- Foot operated electromagnetic spindle brake for safety
- Feed shaft fitted with torque limiting safety clutch
- Precision Taiwanese machine, sold for over 45 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
- Removable gap bed allowing work piece to swing up to 610mm
- 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

### Includes

- 230mm 3-jaw "Steel Body" 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



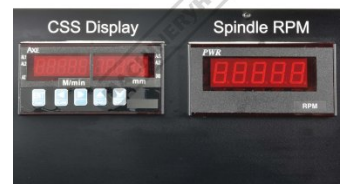
Low View



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	13
	0.2	0.26	0.4
14T	0.7	1	1.75
	3.5	7	14
	0.8	4	1
18T	0.2	0.28	0.3
	0.5	0.6	0.9
	1.2	1.5	2
	6	9	12
20T	0.2	0.25	0.4
	1	1.25	2
	5	10	3 or 6
	8	8	1
22T	0.2	0.25	0.4
	1.1	2	5.5
	0.8	1	1

Indicator Table



Adjustable Light Coolant Nozzle



One Shot Lubrication



Optional Saddle Safety Guard



Optional Saddle Safety Guard

**Recommended Accessories**

L046  
Right Hand Turning Tool Holder

L047  
Left Hand Turning Tool Holder

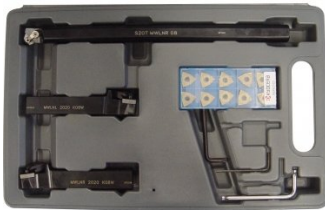
L039  
Right Hand Turning Tool Holder

L040  
Left Hand Turning Tool Holder



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**L452**  
Lathe Turning Tool Kit - 3 piece  
Insert Type



**L458**  
Lathe Threading Tool Kit - Insert  
Type



**L466**  
Professional Lathe Parting Tool  
Kit - Insert Type



**C054**  
4MT Live Centre



**C046**  
4MT Pipe Centre - 70° Cone



**C290**  
Heavy Duty Drill Chuck - Keyed  
Type



**C294**  
Industrial Drill Chuck - Keyless  
Type



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



**D424**  
Drill Sleeve - Morse Taper



**D422**  
Drill Sleeve - Morse Taper



**D1272**  
Metric 135° Precision HSS Drill  
Set - 25 Piece



**D1282**  
Imperial 135° Precision HSS  
Drill Set - 29 Piece



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**D126**  
Metric 135° Precision HSS Drill Set - 170 Pieces



**D119**  
Metric 2MT HSS Drill Set



**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



**S074**  
Cutting Tool Lubricant Paste - 500g



**S091**  
Soluble Metal Cutting Fluid - 20 Litre



**G662**  
Lathe Leadscrew Cover Kit



**A358**  
Sky Hook Lifting Device



**A358A**  
Chuck Hook



**L300**  
Magnetic Swarf Remover



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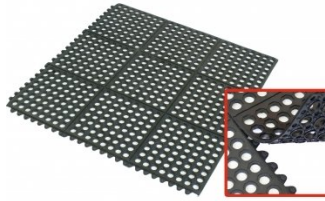
M9991  
Magnetic Floor Sweeper



M800  
Rubber Mat - Anti-Fatigue



M805  
Rubber Mat - Anti-Fatigue



O043  
Rust & Corrosion Preventive



O042  
General Purpose Lubricant &  
Corrosion Inhibitor



O044  
Rust & Corrosion Preventive

