



# Whitelaw

ENGINEERING MACHINERY  
INCORPORATED 1965



DETE 65255 SOA Approved Supplier

## Design & Technology – Manual Arts Machinery & Tooling



Since 1965 Whitelaw Engineering Machinery have supplied and provided service for an extensive range of machine tools and equipment across Australia and into New Zealand, Papua New Guinea & the Pacific Islands.

Our customer base extends to all facets of the engineering industry including Manufacturers, General Engineering Workshops, Schools, Tafe, Universities, Government Departments, Mining, Power Generation and Automotive industries.

Whitelaw Engineering Machinery has established a solid reputation for reliable, honest & experienced sales and support. We understand that no matter what the investment small or large, it's what follows post sale that leaves you feeling confident in your purchasing decision.

We look forward to working with you.



# CNC Laser Engraving Machine 500x700mm Table

The LC-700 laser is ideal for cutting Wood, Plastic, Paper, Acrylic, Rubber, leather and other non metal materials. Ideal for industries such as sign writers, component manufacturers, education, and many more. So easy to operate with no cad experience necessary .

**SPECIFICATION:**

- Max Working Size: 500x700x200mm
- Laser Power: 80/100w
- Resolution: 1000 dpi
- Power: 240v / 10 AMP
- Laser Tube Type: Co2 Gas Sealed Laser
- Driver Type: Micro Stepping Motor
- Max Speed: 1000mm / Sec
- Location Precision: 0.01mm
- PC Interface: USB 3.0
- Software: Auto Laser
- Image Format: HPGL, BMP, GIF, JPG, JPEG, DXF, DST, AI
- Extraction: Extraction Outlet (Fume Extractor Optional)
- Machine Dimensions: 1415x900x960mm (LxWxH)
- Weight: 125kg

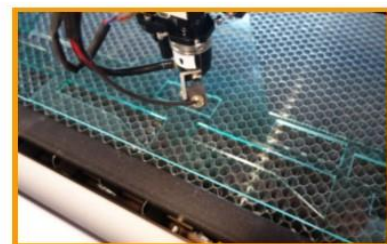
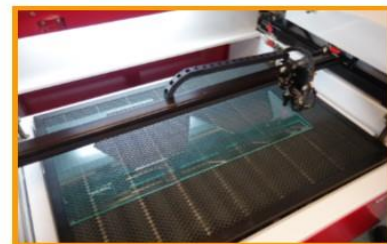
**INCLUDED EQUIPMENT:**

- Rudia Controller
- Auto focus
- Laser Engraving Software
- User Manual (CD)
- CW-5200 Water Chiller
- Air Exhaust Fan
- Air Pump
- USB / Ethernet Interface & Communications Cable
- 1 Reci 80/100w Laser Tube
- Rotary attachment for cylinders
- Motorized honeycomb table
- Dual magnetic limit switches to the lid
- Key lock out switch



Larger Capacity Models available on request

*Including 12 Months  
Phone Support, Delivery,  
Installation, & Training  
Brisbane Metro*



LARGER CAPACITY MACHINES AVAILABLE, CALL FOR MORE INFORMATION



**Verus Model BL-1236G Centre Lathe****Features:**

- Gear drive headstock for quick change of speeds
- Headstock gears heat treated, hardened and ground
- NSK Japanese spindle bearings
- 2 Axis digital readout
- Precision 'V'-beds hardened and ground
- Change gears for metric and imperial thread cutting
- Siemens electrical components
- Overload protection on drive motor & coolant system
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- LED low voltage work light IP62
- Integrated coolant system with flexible hose
- Front removable chip tray for easy cleaning
- OH&S Safety guarding installed

**Specifications:**

Swing over bed:	... Ø 300mm
Swing over cross slide:	...Ø 178mm
Swing over gap:	...Ø 430mm
Distance between centres:	...914mm
Spindle bore:	...Ø 38mm
Spindle nose:	...D1-4 Camlock
Taper of spindle nose:	... MT#5
Taper of tailstock:	...MT#3
Travel of cross slide:	...160mm
Travel of top slide:	...85mm
Number of spindle speeds:	...9
Range of spindle speeds:	...70-2000rpm
No & Range of metric pitches:	...(29) 0.4-7mm
Longitudinal feed range:	...(40kinds) 0.052-1.39mm/rev
No & Range of imperial threads:	...(40) 4-56 T.P.I
Cross feed range:	...(40kinds) 0.014-0.38mm/rev
Motor:	...1.5HP 240v
Approximate weight:	...460kg
Approximate footprint: (LxW)	..1600x700mm

**Verus Model BL-1440G Centre Lathe****Features:**

- Gear drive headstock for quick change of speeds
- Headstock gears heat treated, hardened and ground
- NSK Japanese spindle bearings
- 2 Axis digital readout
- Precision 'V'-beds hardened and ground
- Change gears for metric and imperial thread cutting
- Siemens electrical components
- Overload protection on drive motor & coolant system
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- LED low voltage work light IP62
- Integrated coolant system with flexible hose
- Front removable chip tray for easy cleaning
- OH&S Safety guarding installed

**Specifications:**

Swing over bed:	... Ø 360mm
Swing over cross slide:	... Ø 223mm
Swing in gap:	... Ø 502mm
Distance between centres:	...1000mm
Width of bed ways:	...187mm
Spindle bore:	... Ø 50mm
Spindle nose:	...D1-4 Camlock
Taper of spindle nose:	...MT 5
Taper of tailstock:	...3MT
Number of spindle speeds:	...8
Spindle speed range:	...70-2000rpm
Cross slide travel:	...160mm
Compound rest travel:	...95mm
Metric threads:	... (26 kinds) 0.4-7 mm
Imperial threads:	... (34 kinds) 4-56 T.P.I
Longitudinal feeds:...	(32 kinds) 0.052-1.392mm/rev
Cross feeds:	... (32 kinds) 0.014-0.380mm/rev
Main motor:	...2HP 240v or 415v
Approximate weight:	...650kg
Approx footprint: (LxW)	...1700x870mm

## Eximus Model LD-1324/40GHE Centre Lathe

**Features:**

- Gear drive headstock for quick change of speeds
- Precision 'V'-beds hardened and ground
- 2 Axis digital readout
- Norton style gearbox for thread cutting & feeding
- Large 40mm spindle bore
- External adjustable cross feed lead screw nut
- Powered longitudinal and cross feeds
- Dual calibrated dials
- OH&S Safety guarding installed
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Swing over bed:	... Ø 330mm
Swing over saddle:	...Ø 193mm
Swing over gap:	...Ø 600mm
Distance between centres:	...600/1000mm
Width of bed:	...190mm
Spindle bore:	...Ø 40mm
Taper of spindle nose:	... MT#5
Taper of tailstock:	...MT#3
Spindle nose:	...D1-4
Tool height:	...16mm
Travel of cross slide:	...165mm
Travel of top slide:	...100mm
Number of spindle speeds:	...18
Range of spindle speeds:	...50-2000rpm
No & Range of metric pitches:	...(24) 0.25-7mm
No & Range of imperial threads:	...(40) 4-112 T.P.I
Motor:	...1.5HP 240v
Approximate weight:	...350/450kg
Approx footprint: (LxW)	...1450x670mm

## Eximus Model LD-1440GT Centre Lathe

**Features:**

- Gear driven headstock for quick change of speeds
- Precision 'V'-beds hardened and ground
- 2 Axis digital readout
- Inching button for convenient spindle speed selection
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- Large Ø 40mm spindle bore
- Dual calibrated dials
- Coolant system with flexible hose
- Magnetic foot brake for instant stop
- Front removable chip tray
- OH&S Safety guarding installed
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Swing over bed:	... Ø 360mm
Swing over cross slide:	... Ø 225mm
Swing in gap:	... Ø 520mm
Width of gap:	...195mm
Distance between centres:	...1000mm
Width of bed ways:	...190mm
Spindle nose:	...D1-4 cam lock
Spindle bore:	... Ø 50mm
Taper of spindle nose:	...MT 5
Taper of tailstock:	...3MT
Number of spindle speeds:	...9
Spindle speed range:	...82-2000rpm
Cross slide travel:	...165mm
Compound rest travel:	...100mm
Metric threads:	0.4-7mm/pitch (30 kinds)
Inch threads:	...4-56tpi (32 kinds)
Main motor:	...2HP 240v or 3HP 415v
Approximate weight:	...620kg
Approx footprint: (LxW)	...1700x870mm

**Verus Model SL-1640 Centre Lathe****Features:**

- Gear drive headstock for quick change of speeds
- Headstock gears heat treated, hardened and ground
- NSK Japanese spindle bearings
- 2 Axis digital readout
- Precision 'V'-beds hardened and ground
- Change gears for metric and imperial thread cutting
- Oil sight glass for head stock and gearbox
- Siemens electrical components
- Overload protection on drive motor and coolant system
- Enclosed quick action gearbox for thread cutting and auto feeding
- Powered longitudinal and cross feeds
- LED low voltage work light IP62
- Integrated coolant system with flexible hose
- OH&S safety guarding installed

**Specifications:**

Swing over bed:	... Ø 410mm
Swing over cross slide:	... Ø 255mm
Swing in gap:	... Ø 580mm
Distance between centres:	...1000mm
Width of bed ways:	...250mm
Spindle nose:	...D1-6 Camlock
Spindle bore:	... Ø 52mm
Taper of spindle bore:	...6MT
Taper of tailstock:	...4MT
Travel of tailstock:	...120mm
Number of spindle speeds:	...16
Spindle speed range:	...45-1800rpm
Max section of tool:	...20x20 mm
Longitudinal feeds No/range:	...(17) 0.05-1.7 mm/rev
Cross feeds No/range:	...(17) 0.025-0.85 mm/rev
Metric threads range:	...(39) 0.2-14 mm
Imperial threads range:	...(45) 2-72 T.P.I
Spindle Motor:	...5HP 415v
Approximate weight:	...1600kg
Approx footprint: (LxW)	...2200x1100mm

**Eximus Model LA-430 Centre Lathe****Features:**

- One-piece solid cast base enhances the machine life and overall accuracy
- Precision 'V'-beds hardened and ground
- Headstock gears heat treated, hardened and ground
- Universal gearbox, achieve the metric/imperial thread range without having to use change gears
- 2 Axis digital readout
- Heavy duty spindle hardened, ground
- Spindle supported by 3-point precision bearings NTN/NSK of Japan
- Foot operated spindle brake
- Powered longitudinal and cross feeds
- OH&S guarding installed
- High quality 7.5HP Teco motor
- OH&S safety guarding installed
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Swing over bed:	... Ø 432mm
Swing over cross slide:	... Ø 272mm
Swing in gap:	... Ø 610mm
Distance between centres:	...550/800/1100mm
Width of bed ways:	...300mm
Spindle nose:	...D1-6 Camlock
Spindle bore:	... Ø 58mm
Taper of tailstock:	...4MT
Travel of tailstock:	...150mm
Number of spindle speeds:	...12
Spindle speed range:	...35-2000rpm
Max section of tool:	...25x25mm
Imperial thread range:	...(44 steps) 0.2-14 mm
Metric thread range:	...(39 steps) 2-72 T.P.I
Longitudinal feeds:	...(36 steps) 0.03-0.85 mm/rev
Spindle Motor:	...7.5HP 415v
Approximate weight:	...1700kg
Approx footprint: (LxW)	...2200x1110mm



**Eximus Model HU-250 Universal Milling Machine****Features:**

- Meehanite casting provides maximum rigidity ensuring minimal deformation.
- Large worktable 250x1100mm, Tilts 45° L & R
- Dovetail slides ensure rigidity while machining
- Hardened & ground worktable and slide ways.
- Turcite "B" coated X & Y Axis slide-ways with slide way covers
- NT 30 spindle taper with hardened chrome quill
- Overarm pendant for convenient location of controls
- Vertical head & Horizontal Spindle
- Quality electrics & overload protection in an easy access enclosure
- High / neutral and low gear selection lever to maximise torque.
- Integral gearbox X axis feed with adjustable micro switch feed stops.
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Table size:	... 205 x 760mm
Table T-slots:	... 3
X axis (longitudinal) travel:	... 470mm
Y axis (cross) travel:	... 200mm
Z axis (vertical) travel:	...450mm
Feed rate X axis:	...20-2000mm/min
Quill travel:	... 290mm
Spindle taper:	... NT-30
Spindle speed infinitely variable:	...200-2250rpm
Max dist spindle nose - table surface:	... 62-520mm
Head tilt:	... 90° right & left
Horizontal rotation of ram:	...360°
Motor:	...1.5HP
Approximate weight:	... 1000kg
Approx footprint: (LxW)	...1300x1300mm

**Eximus Model 2KVS Turret Milling Machine****Features:**

- Infinitely variable speed spindle (High and Low)
- Meehanite casting provides maximum rigidity ensuring minimal deformation
- Hardened and ground worktable and slide ways
- Turcite "B" coated X & Y Axis slide-ways with slide way covers
- NT 30 spindle taper with hardened chrome quill
- 3 Axis digital readout
- Ram travels 400mm and can rotate 360°
- Quality electrics & overload protection in an easy access enclosure
- X-Axis power-feed with adjustable stops
- Automatic quill feed 0.015, 0.04, 0.08mm/rev
- Spindle guarding system with micro switch
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Table size:	... 889 x 228mm
Table T-slots:	... 3
X axis (longitudinal) travel:	... 520mm
Y axis (cross) travel:	... 300mm
Z axis (vertical) travel:	...400mm
Feed rate X Axis:	...20-2000mm/min
Quill travel/Dia:	... 127mm / Ø 85mm
Spindle taper:	... NT-30
Spindle speed:	Low ... 60-420 High 500-3600rpm
Max dist spindle nose - table surface:	... 60-500mm
Max distance spindle nose to column:	...735mm
Motor:	...2HP
Approximate weight:	... 800kg
Approx footprint: (LxW)	...1000x1000mm

**Eximus Model 3KVS Turret Milling Machine****Features:**

- Infinitely variable speed spindle (High and Low)
- Meehanite casting provides maximum rigidity ensuring minimal deformation
- Large work table 10" x 54"
- Hardened and ground worktable and slide ways
- Turcite "B" coated X & Y Axis slide-ways with slide way covers
- NT 30 spindle taper with hardened chrome quill
- 3 Axis digital readout
- Ram travels 400mm and can rotate 360°
- Quality electrics & overload protection in an easy access enclosure
- X-Axis power-feed with adjustable stops
- Automatic quill feed 0.015, 0.04, 0.08mm/rev
- Spindle guarding with micro switch
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Table size:	... 1350 x 250mm
Table T-slots:	... 3 x 14mm
X axis (longitudinal) travel:	... 875mm
Y axis (cross) travel:	... 380mm
Z axis (vertical) travel:	...420mm
Feed rate X Axis:	...20-2000mm/min
Quill travel/Dia:	... 127mm / Ø 85mm
Quill feed rate:	... 0.04-0.06-0.15mm/rev
Spindle taper:	... NT-30
Spindle motor:	... 3 HP
Spindle speed:	Low ... 60-420 High 500-3600rpm
Max dist spindle nose to table surface:	... 60-500mm
Motor:	...3HP
Approximate weight:	... 1300kg
Approx footprint: (LxW)	...1710x1740mm

**Verus Model VTM50 Universal Milling Machine****Features:**

- Electronic inverter variable spindle speed
- Digital tachometer for display of RPM
- Dovetail slides ensure rigidity while machining
- NT30 Horizontal and vertical spindle taper hardened and ground
- Head swivels ±90° left and right
- Fine feed hand wheel for quill feed
- Large work table 1000 x 240mm
- Rear slide-way cover
- Chip tray and integrated coolant system
- Metric dial graduations for X, Y & Z-Axis
- Quality electrics & overload protection
- One shot lubrication via hand pump
- 3-axis digital readout
- Spindle guarding with micro switch
- Horizontal arbor and support

**Specifications:**

Table size:	...1000 x 240mm
Table T Slot:	...3 x 14mm
X axis (longitudinal) travel:	...600mm
Y axis (cross) travel:	... 200mm
X axis (vertical) travel:	...340mm
Power feed X Axis:	...20-2000mm/min
Quill travel/Dia:	... 120mm / Ø 90mm
Travel of the ram:	...450mm
Rotation of the ram:	...360°
Head tilt left/right:	...±45°
Vertical spindle taper:	... NT30
Vertical spindle to table:	...375mm
Vertical spindle speed:	...Variable 100-2000RPM
Vertical spindle motor:	...3HP 240v
Horizontal spindle motor:	...2HP 240v
Horizontal spindle speed: (Steps)	...(9) 60-1350RPM
Approximate weight:	... 900kg
Approx footprint: (LxW)	... 1710x1740mm



## Verus Model VMD45 Gear Head Mill Drill



### Features:

- Cast iron machine frame provides maximum rigidity ensuring minimal deformation
- High / neutral and low gear selection lever to maximise torque
- Dovetail to Y & Z axis ensure rigidity while machining
- Forward and reverse on/off switch
- Quality electrics & overload protection in an easy access enclosure
- Rack and pinion wind-up head with power feed
- Rear slide-way cover and slide clamps on all axis
- Large worktable 800x240mm
- Metric dial graduations for X, Y & Z axis
- Table lock on both axis
- 4MT spindle Ø 75mm quill
- Head tilts ±90° left and right
- Fine feed handwheel for quill feed
- 3 Axis digital readout
- OH&S safety guarding and micro switches

### Specifications:

Drilling capacity up to:	... Ø 40mm
Table size:	... 800x240mm
X axis (longitudinal) travel:	... 560mm
Y axis (cross) travel:	... 230mm
Power feed X Axis:	...20-2000mm/min
Quill travel/Dia:	... 120mm / Ø 75mm
Spindle taper:	... 4MT
Spindle motor:	... 1 HP 240v
Spindle speed:	... (6 steps) 95-1600rpm
Max distance spindle nose to table surface:	... 470mm
Head tilt:	... 90° right & left
Approximate weight:	... 350kg
Approx footprint: (LxW)	...780x850mm

## Eximus Model GEM-450 Gear Head Mill Drill



### Features:

- Cast iron machine frame provides maximum rigidity ensuring minimal deformation
- Work table 730x210mm
- Dovetail to Y & Z axis ensure rigidity while machining
- Hardened and ground worktable and slide ways
- 3MT (optional NT30) spindle Ø 75mm quill
- 3 Axis digital readout
- Quality electrics & overload protection in an easy access enclosure
- High / neutral and low gear selection lever to maximise torque
- Metric dial graduations for X, Y & Z axis
- Fine feeding quill
- OH&S safety guarding and micro switches

### Specifications:

Table size:	... 730x210mm
X axis (longitudinal) travel:	... 430mm
Y axis (cross) travel:	... 285mm
Z axis (vertical) travel:	... 450mm
Optional power feed X Axis:	...20-2000mm/min
Quill travel/Dia:	... 120mm / Ø 75mm
Spindle taper:	... 3MT
Spindle motor:	... 1 HP 240v
Spindle speed:	... (6 steps) 50-1250rpm
Max distance spindle nose to table surface:	... 450mm
Head tilt:	... 90° right & left
Optional Z axis rapid feed motor:	...1/4HP
Optional coolant pump motor:	...1/8HP
Approximate weight:	... 400mm
Approx footprint: (LxW)	...870x890mm

**Eximus Model K1720HFD Bench Pedestal Drill**



**Features:**

- Bench drilling machine
- Rigid cast iron base
- Step type speed change
- Quite belt drive operation
- 2MT spindle taper, up to 16mm drilling capacity
- Adjustable safety guard
- Safety magnetic-type switch
- Slotted round work table
- Precision keyless drill chuck & arbor
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Drilling capacity:	... Ø 16mm
Spindle taper:	...2MT
Spindle travel:	...85mm
Column Dia:	...Ø 80mm
Table size:	... Ø 350 mm
Table slot:	... 16mm
Spindle speed:	...(12 steps) 290-2330rpm
Motor:	...750W 240v (10amp compatible)
Approximate weight:	...78kg
Approx footprint: (LxW)	...495x280mm

**Eximus Model DP-915T Pedestal Drill**



**Features:**

- Pedestal drilling machine
- Infinitely variable spindle speed 40-5000rpm
- Digital tachometer for setting the required speed
- Quite belt drive operation
- 2MT spindle taper, up to 16mm drilling capacity
- Rack & pinion table height adjustment
- Safety magnetic-type switch
- Drilling depth stop setting with scale
- Slotted work table
- Precision keyless drill chuck & arbor
- Spindle guard with micro switch
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Drilling capacity:	... Ø 16mm
Spindle taper:	...2MT
Spindle travel:	...150mm
Column Dia:	...Ø 57mm
Max distance spindle nose to table:	...1041mm
Max distance spindle nose to base:	...1206mm
Table size:	...356x455mm
Table slot:	... 16mm
Spindle speed:	...400-5000rpm
Motor:	...1HP
Approximate weight:	...130kg
Approx footprint: (LxW)	...760x580mm

**Eximus Model DP-915AH Pedestal Drill**



**Features:**

- Pedestal drilling machine
- Infinitely variable spindle speed 40-3000rpm
- Digital tachometer for setting the required speed
- Integrated tapping solution with auto reverse
- 3MT spindle taper, up to 32mm drilling capacity
- Rack & pinion table height adjustment
- Safety magnetic-type switch
- Drilling depth stop setting with scale
- Slotted work table
- Precision keyless drill chuck & arbor
- Integrated coolant system
- Spindle guard with micro switch
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Drilling capacity:	... Ø 32mm
Spindle taper:	...3MT
Spindle travel:	...135mm
Quill dia:	... Ø 62mm
Column Dia:	...Ø 92mm
Max distance spindle nose to table:	...605mm
Max distance spindle nose to base:	...1150mm
Table size:	...460x360mm
Table slot:	... 16mm
Spindle speed:	...400-5000rpm
Motor:	...2HP
Approximate weight:	...220kg
Approx footprint: (LxW)	...660x460mm

**Eximus Model DP-925GAD Pedestal Drill**



**Features:**

- Pedestal drilling machine
- Infinitely variable spindle speed 40-5000rpm
- Digital tachometer for setting the required speed
- Integrated tapping solution with auto reverse
- 4MT spindle taper, up to 50mm drilling capacity
- Spindle power down feed, 3 steps
- Quill fine feed hand-wheel
- Rack & pinion table height adjustment
- Safety magnetic-type switch
- Drilling depth stop setting with scale
- Slotted work table
- Precision keyless drill chuck & arbor
- Integrated coolant system
- Spindle guard with micro switch
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Drilling capacity:	... Ø 50mm
Spindle taper:	...4MT
Spindle travel:	...150mm
Quill Dia:	...Ø 75mm
Column Dia:	...Ø 115mm
Max distance spindle nose to table:	...580mm
Max distance spindle nose to base:	...1135mm
Table size:	...560x470mm
Table slot:	... 16mm
Spindle speed:	...65-2000rpm
Motor:	...2HP
Approximate weight:	...385kg
Approx footprint: (LxW)	...872x580mm



**Eximus Model 1440NC Teach Type Lathe**



**Features:**

- Equipped with conversational CNC control
- Ergonomic control panel with MPG hand-wheel
- Utilising familiar G & M codes
- Bed ways hardened and ground to HRC 50 hardness
- Spindle supported by two high precision Japanese bearings
- Semi-enclosed guarding complete with safety interlocks to the main doors
- Large 38mm spindle bore
- Front removable chip tray to easily access swarf
- Supplied and installed with training
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Swing over bed:	... Ø 356 mm
Swing over cross slide:	... Ø 220 mm
Width of bed ways:	...206 mm
Distance between centres:	...1000 mm
Spindle nose:	...D1-4
Spindle bore:	...38 mm
Spindle speed range:	...50-2500 rpm
Taper of spindle bore:	...MT 5
Tailstock quill travel:	...120 mm
Tailstock taper/Dia:	...3 MT/ Ø 45 mm
MOTOR: Spindle motor:	...3.5kW
X, Z DRIVES: Cutting feed rate:	...1-3000mm/min
Rapid traverse:	...7.5m/min
Approximate weight:	...950 kg
Approx footprint: (LxW)	...2200x1400mm

**Eximus Model CH-30 Machining Centre**



**Features:**

- Equipped with conversational CNC control
- Ergonomic control panel with MPG hand-wheel
- Utilising familiar G & M codes
- One piece base increases stability and rigidity during machining cycles
- High speed 10,000 rpm spindle speed
- BT 30 spindle taper with labyrinth cooling design
- Fully enclosed guarding complete with safety interlocks to the main doors
- High precision pre-tensioned ball screws to all 3 axes
- Optional 4<sup>th</sup> axis on request
- Supplied and installed with training
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Table size:	180x380mm
T slots: No x W x DC	...3 x 10 x 50
Table max load:	...60kg
Travel X/Y/Z axes:	...300/180/250mm
Spindle speed:	...10,000rpm
Spindle taper:	...BT-30
X/Y/Z axis rapid feed rate:	...20m/min
X/YZ axis cutting feed rate:	...6m/min
Ball screw X/Y/Z:	...P10x20
Linear Guide-way X/Y/Z:	...20mm
Tool magazine capacity/type:	...12/Armless
Max tool diameter:	...75mm
Spindle motor:	2.2kW
X/Y/Z axis motor:	0.4/0.75kW
Approximate weight:	...1500kg
Approx footprint: (LxW)	...1575x1690mm

**Eximus Model UE-712 Manual Bandsaw**



**Features:**

- 180x300mm max cutting capacity
- Adjustable cutting feed rate via hydraulic cylinder
- Mitre cut to 45° via swivelling vice
- Vertical cutting table included
- Adjustable 4 speed step speed 22/33/45/65MPM
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Max cut round @ 90°:	...180mm
Motor:	...1HP
Blade:	...19x2360mm
Approximate weight:	...180kg
Approximate footprint: (LxW)	....1270x571mm

**Eximus Model WV-275DS Manual Bandsaw**



**Features:**

- 260x110mm max cutting capacity
- Adjustable cutting feed rate via hydraulic cylinder
- Mitre cut left and right
- Infinitely variable blade speed 20-85MPM
- Ideal for cutting stainless
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Max cut round @ 90°:	...227mm
Motor:	...1.5HP
Blade:	...27x2460mm
Approximate weight:	...280kg
Approximate footprint: (LxW)	....1549x737mm

**FMB Model Phoenix Manual Bandsaw**



**Features:**

- 130x250mm max cutting capacity
- Adjustable cutting feed rate via hydraulic cylinder
- Mitre cut to 60° via swivelling bow
- Solid cast iron with manual quick clamp vice
- Quality machine tool, manufactured in Italy

**Specifications:**

Swing over bed:	... Ø 305mm
Swing over saddle:	...Ø 153mm
Swing over gap:	...Ø 445mm
Distance between centres:	...610mm
Approximate weight:	...300kg
Approximate footprint: (LxW)	....700x1400mm

**Eximus Model CS-315 Coldsaw**



**Features:**

- Ridged cast iron construction for accurate cutting
- Mitre cut left and right
- Quick action vice clamping
- Dead man trigger switch on the handle
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Round Capacity@90°/45°:	... Ø 100/90mm
Rectangle Cap@90°/45°	...110x70mm/85x70mm
Blade size:	...315x32mm
Motor:	...2HP
Approximate weight:	...175kg
Approximate footprint: (LxW)	...1020x990mm

**Eximus Model -5216 Manual Guillotine**



**Features:**

- Quality cast iron construction
- 600mm back gauge range
- Spring actuated hold down bar
- Squaring guides on both sides
- Front sheet supports
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Capacity mild steel/stainless: ...1.6mm/20GAx1320mm  
 Angle cutting: ...1°/40"  
 Operation: ...Manual  
 Approx weight: ...380kg  
 Approximate footprint: (LxW) ....1700x800mm

**Eximus Model 0-5210 Hydraulic Guillotine**



**Features:**

- Quality cast iron construction
- Single or multiple cutting
- edge bottom blade and 2 edge upper blade
- Back, front and side gauge
- Squaring arm
- Front arm supports
- Foot pedal control
- Safety overload protection system
- Safety guarding system
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Capacity mild steel/stainless: ...3.5mm/13GAx1320mm  
 Angle cutting: ...1°/40"  
 Stroke per min: ...28  
 Motor: ...5HP 415v  
 Approximate weight: ...380kg  
 Approximate footprint: (LxW) ....1920x1900mm

**Eximus Model NU-4816 Manual Pan Brake**



**Features.**

- Quality cast iron construction
- Removable fingers for box sections
- Single material clamp lever
- Adjustable apron for bend radius
- Includes counter balance weight
- Multiple finger widths for bending of pans or boxes
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Capacity: ...1.6x1220mm  
 Max lift of beam: ...44mm  
 Beam adjustment: ...16mm  
 Approx weight: ...260kg  
 Approximate footprint: (LxW) ...1600x650mm

**Eximus Model V412-6 Manual Box & Brake**



**Features:**

- Manual bending with manual material clamp
- Assortment of extended fingers allows bending of pans or boxes
- Ground segmented fingers can be repositioned to suit many applications
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Capacity mild steel/stainless: ...2.5/1.6x1220mm  
 Bending angle: ...0-135°  
 Beam adjustment: 25mm  
 Min reverse bend: ...16mm  
 Approximate weight: ...1900kg  
 Approximate footprint: (LxW) ....1800x850mm



## Eximus Model X-5016 Manual Slip Rolls



### Features:

- Rolls manufactured from polished/heat-treated high-grade carbon steel
- Wire grooves
- Easy removal of the work piece
- Optional floor stand
- Quality machine tool, manufactured in Taiwan

### Specifications:

Forming width:	...1270mm
Capacity:	...1.6mm
Dia of roll:	...Ø 75mm
Wire grooves:	...3
Min forming radius:	...38mm
Approximate weight:	...200kg
Approximate footprint: (LxW)	...1640x400mm

## Eximus Model X-5016E Powered Slip Rolls



### Features:

- Rolls powered by gearbox drive system
- Swing out end enables complete cylinder to be removed
- Rolls manufactured from polished/heat treated high grade carbon steel
- Rigid frame and stand for accurate operation
- Mobile foot pedal control
- Quality machine tool, manufactured in Taiwan

### Specifications:

Forming width:	...1270mm
Capacity:	...1.6mm
Dia of roll:	...Ø 75mm
Wire grooves:	...3
Min forming radius:	...38mm
Motor/Roll speed:	1HP/16rpm
Approximate weight:	...270kg
Approximate footprint: (LxW)	...1700x650mm

## Eximus Model U-22 Swage & Jenny



### Features:

- High quality industrial duty machine, manufactured from high grade cast iron, which provides increased strength whilst also providing a quality bearing surface for the rotating shafts and slide blocks.

### Specifications:

Capacity:	...0.8mm
Distance between shaft centre:	...50mm
Depth of throat:	...178mm
Approximate weight:	...30kg

## Bramley Hand Shears



### Features:

- Blades manufactured from high quality wear resistant precision ground tool steel
- Lever toggle action gives high mechanical advantage for easy cutting
- Body manufactured from thick section mild steel
- Handle balance spring assists with ease of use
- Simple lower blade adjustment for shear tolerance's

### Specifications:

	HS4	HS5
Plate:	... 4mm	...5mm
Flat:	...60x5mm	...70x6mm
Round:	...11mm	...13mm
Blade:	...155mm	...200mm
Cutting Length (max)	...125mm	...175mm

**Sunrise Model IW-45 Punch and Shear**



**BAR SHEAR**

- Adjustable hold-down for cleaner cut
- Single multi-hole hold-down

**ANGLE SHEAR**

- Safety guarding around hold-down
- Easily adjustable hold-down
- Four cutting edges to all blades
- Mitre cut at 45°

**FLAT BAR SHEAR**

- Easily adjustable hold-down
- Good visibility to blade line
- Table support with guides
- Angle flange trim/mitre to 45°
- Shaped blade to give minimum distortion

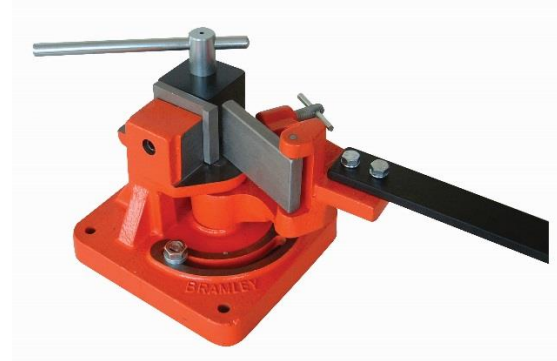
**Features**

- Punching capacity up to 40mm standard
- Power inching for easy job set up
- Adjustable stroke for faster punching
- Punch table and shear table both fitted with guides
- Quality machine tool, manufactured in Taiwan

**Specifications:**

Punching Pressure	...45 Tonne
Punching (Dia X Thick)	...ø22x15mm, ø40x8mm
Flat Bar Shear (Width x Thick) - Mild Steel	...350x8mm
	...180x12mm
Flat Bar Shear - Blade Length - Mild Steel	...360mm
Angle Shear - 90° - Mild Steel	...80x80x8mm
Angle Shear - 45° - Mild Steel	...50x50x6mm
Bar Shear - Round - Mild Steel	...Ø25
Bar Shear - Square - Mild Steel	...25x25mm
Motor Power	...375kW/5hp
Approximate weight:	...930kg
Approximate footprint: (LxW)	...1500x750mm

**Bramley Angle Bar Benders**



**Features:**

- Solid cast iron construction with swivel casting
- Infinitely adjustable angle stop for bends 0-90°
- Swivel bending plate adjusts against steel being bent for sharp bending radius
- Model AB1 features 4 position quick cam clamping
- Model AB2 uses full vice clamping with spring return

**Specifications:**

	<b>AB1</b>	<b>AB2</b>
Flat bar:	...80x6mm	...100x8mm
	...60x8mm	...60x10mm
	...30x12mm	...50x12mm
Square:	...20mm	...25mm
Round:	...20mm	...25mm

**Bramley Hydraulic Pipe Bender**



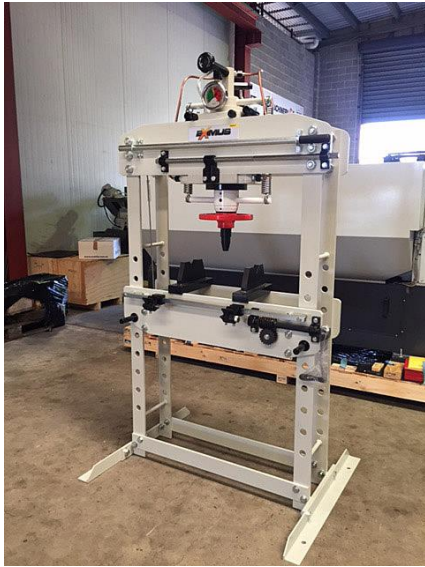
**Features:**

- Lightweight aluminium alloy formers with large angle of arc to support pipe during bend
- Solid frame eliminates flexing during bend
- Hydraulic ram is easily removed from frame to convert to 12 tonne jack
- Complete with 6 formers, two bobbins & pins

**Specifications:**

Former	Radius of Bend	Former	Radius of Bend
1/2"	...75mm	1 1/4"	...175mm
3/4"	...105mm	1 1/2"	...200mm
1"	...140mm	2"	...240mm

**Eximus Model JL35A Manual Hydraulic Press**



**Features:**

- Quality Taiwanese manufactured
- 35 Tonne workshop hydraulic press
- Adjustable horizontal ram position
- Double pump ram for rapid & high pressure
- Ram moves left and right via handwheel
- Screw type rapid approach on ram
- Heavy duty winch on table rise and fall
- Ø 100mm hydraulic pressure gauge
- Spring return on ram
- Complete with vee blocks

**Specifications:**

Capacity:	...35Tonnes
Width Between Front Posts:	...790mm
Width Between Side Posts:	...208mm
Table top opening - (front to back):	...170mm
Maximum distance ram to table:	...730mm
Piston Ram Stroke/Dia:	...130 mm/Ø 80mm
Overall height:	...1870mm
Approximate weight:	...380kg
Approximate footprint: (LxW)	...1170x850mm

**OMCN Model ART1642 Motorized Hydraulic Press**



**Features:**

- Manufactured in Italy
- Frame and core components are manufactured using high quality steel
- Chromium plated hydraulic cylinder provides exceptional corrosion resistance
- Motorized one speed control unit
- 3 position lever forward/neutral/reverse enables one handed operation
- Control valve for setting power according to workpiece
- Height adjustable table with heavy duty winch for rise and fall
- Large Ø 150mm hydraulic pressure gauge
- One set of vee blocks

**Specifications:**

Capacity:	...50 Tonne
Width Between Front Posts:	...775mm
Width Between Side Posts:	...205mm
Maximum Ram To Table:	...1135m
Piston Ram Stroke	...260mm
Piston Ram Speed:	...210mm/1'
Motor:	...415v (20amp compatible)
Approximate weight:	...480kg
Approximate footprint: (LxW)	...1600x900mm



**Eximus Model BG752A (75mm) Belt Linisher**



**Features:**

- Belt speed 30m/sec
- Powerful 5HP 415V motor
- Large 75 x 500mm work surface
- Quick change belt system
- Tilting linishing head with safety guard
- Optional dust extraction system with bag
- Overload protection switch for motor
- Belt size 75 x 2000mm
- Approx weight 105kg
- Quality machine, manufactured in Taiwan
- Approximate footprint: (LxW)...400x1000mm

**Eximus Model BG1502A (150mm) Belt Linisher**



**Specifications:**

- Belt speed 30m/sec
- Powerful 5HP 415V motor
- Large 150 x 500mm work surface
- Quick change belt system
- Tilting linishing head with safety guard
- Optional dust extraction system with bag
- Overload protection switch for motor
- Belt size 150 x 2000mm
- Approx weight 120kg
- Quality machine, manufactured in Taiwan
- Approximate footprint: (LxW)...400x1000mm

**Eximus Model BG8 8" Heavy Duty Grinder**



**Features:**

- Powerful 1HP motor
- Wheel dresser
- Coolant tray
- Supplied with stand, guarding & E-Stop
- Approximate footprint: (LxW)...750x500mm

**Eximus Model BG8-Buff Polishing Machine**



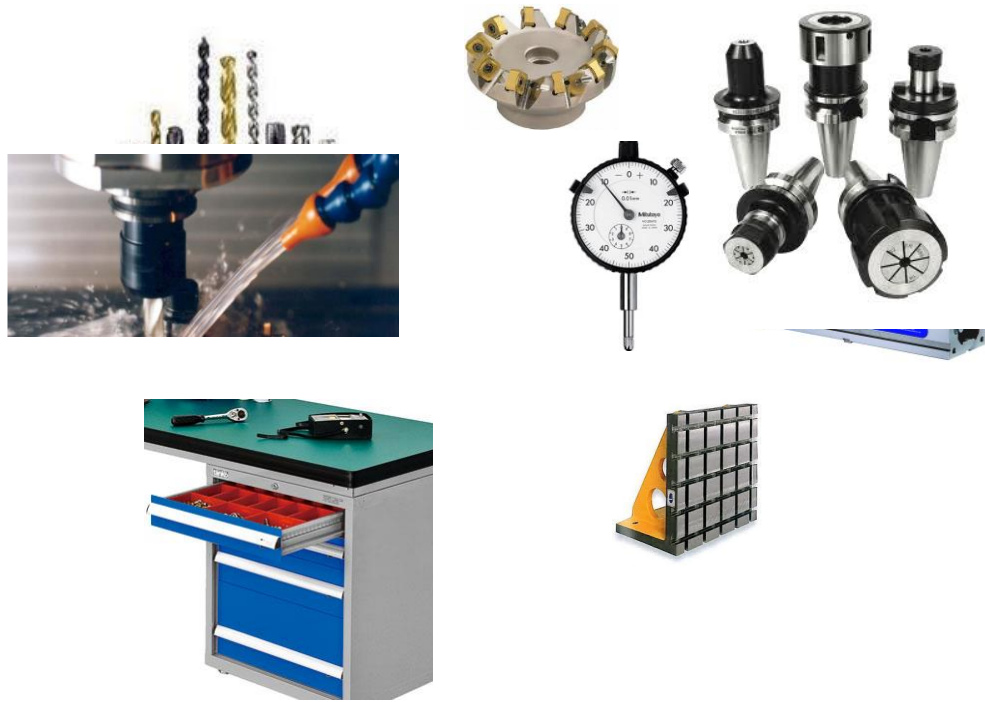
**Features:**

- Powerful 1HP motor
- Tapered spindles to suit a wide range of mops
- Supplied with stand, safety guards & emergency stop

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