



NEW

Products for 2015



Harrison Alpha 1400XC



Harrison EziTurn 330



Harrison Alpha 1660 & 1760XS



Harrison M390



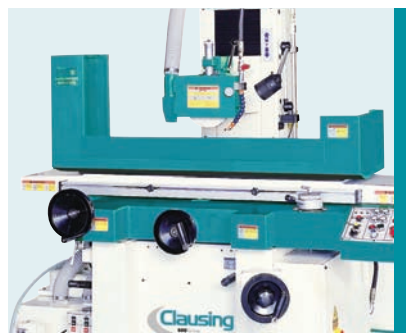
Colchester Triumph VS



Colchester Master VS



Clausing Variable Speed Drill



Clausing Surface Grinder



Pratt Burnerd International Gripsafe



Alpha 1400XC

The ultimate turning machine just stepped up a gear...
introducing the Alpha XC CNC combination lathe



The simplest advanced lathe in the world just added full c-axis operation to its already market leading capabilities.

Bringing full milling, drilling and tapping capabilities to the Alpha - reducing the need for second operation production on one offs and small batches.

Machine Specification	Alpha 1400XC	
Distance between centres	1250mm	
Swing over bed	400mm	
Spindle bore	55mm	
Spindle nose	Camlock D1-6	
Spindle speeds:	1 infinitely variable range 1 to 2700rpm	
Main motor power	7.5kW	
C-axis Specification	Driven Tool Turret (option)	Driven Tool Toolpost (option)
Pos resolution	0.001°	
No. of tool stations	8	-
Tooling type	VDI 20 / DIN 5480 x 0.8	C6 Capto
Max. power driven tool	2.2kW	-
Max. driven tool speed	6000rpm	2000rpm



EziTurn 330

Turning just got even simpler with the Harrison EziTurn 330



The EziTurn combines all the great features of the world-renown Harrison centre lathe, but now with powerful automated cycles on a simple, easy to use touchscreen control.

The first stage of automation to help bridge the gap between conventional and CNC lathes.

Machine Specification	EziTurn 330
Distance between centres	1000mm
Swing over bed	330mm
Spindle bore	42mm
Spindle nose	Camlock D1-4
Spindle speeds:	1 infinitely variable range 1 to 2500rpm
Main motor power	3.7kW
Control system	Harrison Conversational and Parametric Programming System
Machining cycles	Stops / Facing / Tapers / Threading (metric & imperial) / Grooving / Drilling / Tapping / Constant surface speed control



Alpha 1660 & 1760XS

Heavy duty CNC combination lathes



The all NEW heavyweight 1660 and 1760XS fill the gap between the Alpha 1550XS and 2800XS with all the Alpha advantages and 600 UK's pedigree.

Machine Specification	Alpha 1660XS	Alpha 1760XS	
Distance between centres	1500mm/2000mm 3000mm/4000mm	1500mm/2000mm	3000mm/4000mm
Swing over bed	660mm	760mm	
Spindle bore	105mm	105mm	155mm
Spindle nose	D1-11 (A2-11)	D1-11 (A2-11)	A2-11
Spindle speeds: low range	26 - 224 rpm	26 - 224 rpm	10 - 150 rpm
: medium range	225 - 670 rpm	225 - 670 rpm	151 - 490 rpm
: high range	670 - 2000 rpm	670 - 2000 rpm	491 - 1400 rpm
Motor power	18.5kW	18.5kW	18.5kW



Harrison M390

The ultimate geared head centre lathe



Back by popular demand, the Harrison M390 geared head centre lathe sets new standards in performance and productivity.

Machine Specification	M390
Distance between centres	1250mm
Swing over bed	400mm
Spindle bore	54mm
Spindle nose	D1-6 Camlock
Number of speeds	12
Speed range	25 to 2000 rpm
Motor power	5.5 kW



Master VS & Triumph VS

The world's best known variable speed centre lathes, now redesigned for optimum performance



- Advanced variable speed spindle drive in 3 infinitely variable ranges
- Induction hardened and ground bed
- Precision hardened and ground gears in headstock
- CSS DRO as standard
- The world's best selling variable speed centre lathes
- Built to exceed all known world safety standards

Machine Specification	Master VS	Triumph VS
Distance between centres	650mm	1250mm
Swing over bed	350mm	400mm
Spindle bore	42mm	54mm
Spindle nose	D1-4 Camlock spindle	D1-6 Camlock spindle
Number of speeds	3	3
Speed range	17 to 3250rpm	14 to 2500rpm
Motor power	7.5kW	7.5kW



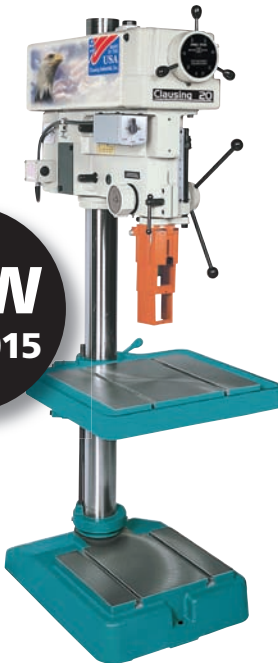
Clausing Variable Speed Drill

Standard Features:

- 150 to 2000 rpm – speeds to drill holes, small holes to spot face, counterbore and ream
- Perfect for production applications with quick change tooling
- Heavy duty precision head ensures exact alignment

Machine Specification	
Working Surface	559 x 495mm
Table Travel	508mm
Spindle Nose	No, 3MT (44mm O/D)
Column Dimensions	102mm dia, Ground Steel, 9.5mm thick wall

**NEW
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Clausing Precision Manual Surface Grinder

Standard Features:

- High precision cartridge spindle
- Anti-wear guideways coated with 'TURCITE-B'
- Enlarged column and base create high stability and rigidity
- Automatic lube system for greater longevity
- Timing belt table drive with high tensile steel cores, ensuring smooth table movement & longevity
- Heavy-duty cast iron construction



Machine Specification	
Table Size	152 x 457mm
Max. Grinding Length	483mm
Max. Grinding Width	179mm
Spindle Speed	3450 rpm
Spindle Power	1.5 kW



Gripsafe

The 'New' Gripsafe allows you to effortlessly measure your chuck gripping force ensuring safety and peace of mind for operators, trainees and managers

- Static & Dynamic chuck gripping force measurement
- Measures gripping force up to 100kN per jaw
- 3 & 2 jaw chuck compatibility
- Measures rotational speed up to maximum of 6000rpm
- Wi-Fi communications to any Wi-Fi compatible device
- Rechargeable battery with micro USB charging interface
- Extension rings to enable use with increased diameters
- No additional software required – application software embedded into GripSafe unit
- Battery level software indicator
- Real Time data capture
- Multiple machine file save feature
- Multiple machine session feature
- Data analysis functions
- Data export to .CSV file function
- Test certification print facility with automatic time and date stamping
- Automatic re-calibration reminder



If you would like to arrange a demonstration or discuss your specific needs, please contact our sales team on

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