

Machine Specification**Harrison Alpha 1550XC Manual / CNC Mill Lathe**

Height of centres	280mm
Distance between centres	1500mm 2000mm 3000mm
Swing over bed	554mm
Swing in gap	830mm
Gap width from face plate	216mm
Swing over cross-slide	370mm
Spindle bore	104mm
Spindle nose	Camlock D1-11
Spindle centre height from floor	1195mm
Taper in Nose bush	No.5 MT
Spindle speed ranges	(11 to 224 rpm) (1 to 672 rpm) (1 to 2000 rpm)
Spindle motor S3 - 40%	15kW
Constant power range	64 - 1970 (7.5kW)
X-axis Working Stroke	296mm
X-axis Thrust (@ stall torque)	5.97kN
X-axis Programmed rapid traverse rate (G00)	8m/min
X-axis Manual mode traverse rate (jog)	3m/min
X-axis CNC rapid traverse rate (jog)	2m/min
X-axis Maximum programmed feedrate	7750 mm/min
Z-axis Working Stroke (2000mm)	2030mm
Z-axis Working Stroke (3000mm)	3050mm
Z-axis Thrust (@ stall torque)	12.53kN
Z-axis Programmed rapid traverse rate (G00)	10m/min
Z-axis Manual mode traverse rate (jog)	6m/min
Z axis CNC rapid traverse rate (jog)	2m/min
Z-axis Maximum programmed feedrate	7750 mm/min
Type of Threads	Metric, Imperial, Diametral, Module
C-axis maximum output speed	100 rpm
C-axis increment fully programmable	0.001 degree
Width over bed ways	400mm

Width of cross-slide	204mm
Cross-slide travel	310mm
Tailstock quill diameter	95mm
Tailstock quill travel	145mm
Tailstock quill taper quill	No. 6 MT
Standard electrics	400V AC + 10%/-15% 50/60Hz
Electrical supply required	15 kVA

Standard Equipment

8 Station Auto Indexing (4 Driven) Disc Turret - 40 VDI

Fully programmable C - axis with clamp brake

Manually operated tailstock

Electrically interlocked chuck guard

Fully enclosed interlocked guarding

Independent sliding operators console

300100 - Machine Lighting

29010H - High Volume Electric Coolant Pump & fittings - 8 ltr /min @ 2.5 bar at toolpost

11010D - Set of machine mounting pads

11011A - Machine Toolbox Comprising :-

Centre Bush, No 6 MT Centre (2 off), 27mm x 30mm Spanner, Set of Metric, Wrenches, Grease Gun.

Automatic Slideway & Ballscrew Lubrication

Swarf tray (Roll-out)

Operation & Spare Parts Manual. Accuracy chart

Fanuc OiTF Controller with integrated 10.4" Colour Touch LCD & Separate MDI Keypad

Operation Modes :- Alpha, ISO, AlphaLink (CAD/CAM) and Manual Guide i

AlphaLink for Windows (fast download) software, complete with approx. 5M. of RS232 cable

Hands on Tutorial & Quick reference Guide booklets

Harrison Alpha 1550XC

Standard Control Features Include

Tool nose radius compensation	ISO MG _i Alpha
Tool Wear / Geometry offsets	ISO MG _i Alpha
64 Pairs Tool offsets	ISO MG _i Alpha
Part Program Memory 512KB	ISO MG _i Alpha
G10 Programmable Data Input	ISO MG _i
Tool path graphics	ISO MG _i
Thread cutting retract	ISO MG _i
Continuous thread cutting	ISO MG _i
Rigid tapping	ISO MG _i Alpha
G code system B/C	ISO MG _i
Custom macro B	ISO MG _i
Chamfering corner R	ISO MG _i
Inch/Metric conversion	ISO MG _i Alpha
Multi repetitive cycles I & II	ISO MG _i
RS232 interface	ISO MG _i Alpha
Background editing	ISO MG _i
Machine alarm diagnostics	ISO MG _i Alpha
Canned cycles for drilling	ISO MG _i
Constant Surface Speed	ISO MG _i Alpha
3D graphic simulation	MG _i
Manual Guide i	MG _i
Spindle orientation	ISO MG _i
Ethernet Link	
Variable lead threading	

Harrison Alpha 1550XC

