



HEAVY INDUSTRIES
BINNS & BERRY • CRAWFORD SWIFT

OPERATION & SERVICE MANUAL

DATA 1000 LATHE



WARNING!

Before attempting to start the machine or carry out any maintenance work read the 'safety' instructions included in this manual. You may endanger yourself and/or others or damage the machine if this information is ignored. You should familiarize yourself with the layout of the machine and the siting of all emergency stop buttons.

Publication Number: 200039-D1000/OM/01 - 03/11

Machine Serial Number: 200039



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2.2 SPECIFICATION

Model, universal	Data 1000- 850 x 12,000 mm (Re-engineered from Data 90 - 700 x 3000 mm, S/N 80079)
Swing over bed	850 mm
Swing over cross slide	650 mm
Cross travel (x axis)	500 mm (20")
Centre distance	12,000 mm (473")
Saddle travel (z axis)	12,000 mm (473")
Spindle horsepower, continuous	50 hp (37 kW)
Spindle horsepower (S1 rating)	60 hp (45 kW) - machine tool duty rated
Spindle nose (front)	D1-11
Spindle through bore	104 mm
Spindle speeds, infinite	1.5 - 1,200 rpm through three semi-automatic selected ranges
CNC control	Fanuc 0i-TD

ILLUSTRATIONS

Figure 1 - Front view of the lathe
Figure 2 - Side view of the lathe
Figure 3 - Top view of the lathe
Figure 4 - Detail of the spindle nose