



# CC2000 Series

## HIGH PER



### OUTSTANDING MACHINES

The CC2000 series computer-controlled routers from Wadkin, the world's most experienced and innovative manufacturer, advanced performance machines for profiling and drilling wood, composites, plastics, non-ferrous metals, and many other. Available in variant forms, based on single and twin spindle configurations to match widely ranging applications and features. Wadkin high-speed 24000 rev/min. 'F' type heads — the fastest available on the market.

Ideal machines for point-of-sale displays, plaques and shields, fret work, shaped wooden components, signs and lettering, boards, precision engraving and matrix boards.

### HIGH-SPEED MACHINING

Robust saddle mounted 1000×700 mm table is traversed by reliable ac servo drives through pre-loaded precision recirculating ball bearings permitting fast feed speeds up to 12 m/min for high production. Guideways totally enclosed by linear covers for cleanliness and safety, pre-lubricated for minimum maintenance. Z axis feed speed 6 m/min max.

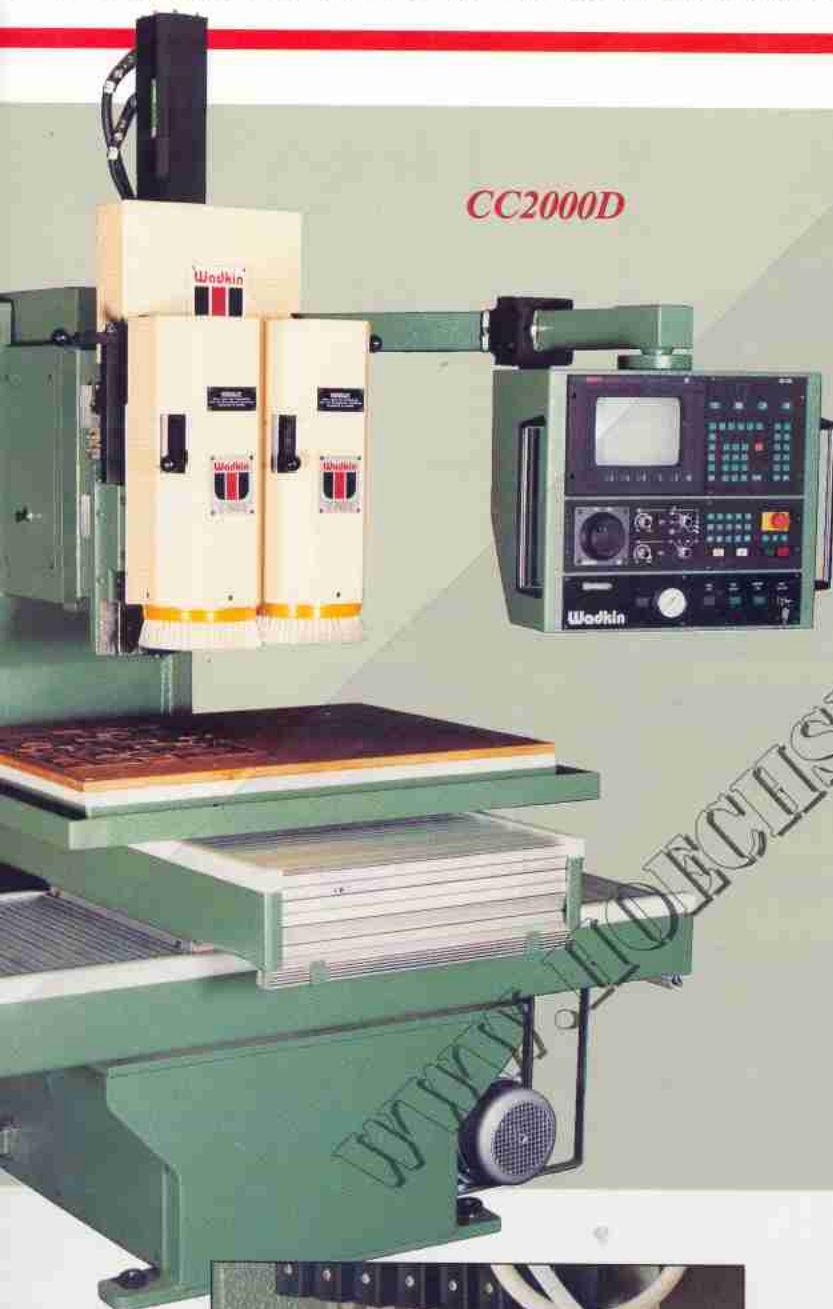
Programmable movements 920×620×175 mm (X, Y and Z), with optional servo drive rotary movement as A axis. Longitudinal travel reduced by 200 mm on CC2000P to accommodate toolchanger.

Standard models are fitted with unique Wadkin type 'F' high-speed heads running at up to 24000 rev/min, perfectly matched to the material by fully variable programmable inverter drive to achieve superfine surface finish with maximum efficiency. Guaranteed performance at maximum productivity. Intermittent power rating 6 kW.

Special variants available fitted with multi-drill head, sawing head, air motor-driven high-speed veining head, super high-speed cooled head for fine precision milling/drilling.



# COMPUTER-CONTROLLED ROUTERS PERFORMANCE PROFILING, SANDING AND DRILLING

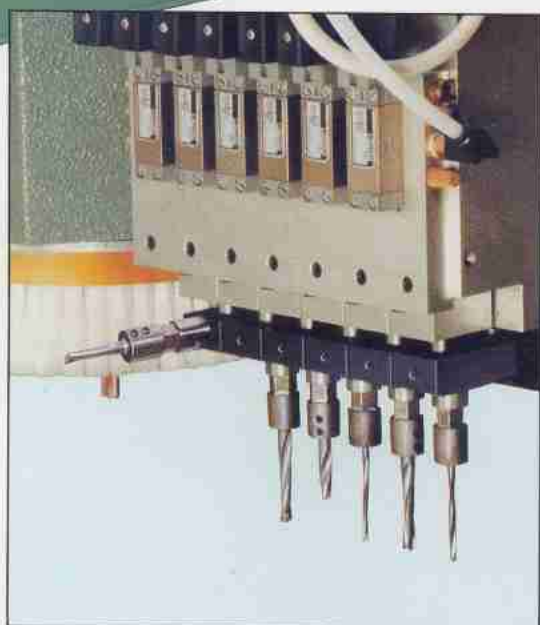


**CC2000D**



**CC2000P**

Twin spindle variant for extra fine precision milling and drilling. Fitted with high-speed air motor-driven veining head and super high-speed 60000 rev/min. liquid cooled head operating with 10-station auto toolchanger mounted on end of worktable.



**CC2000 SMD**

Twin spindle variant with point-to-point boring and pattern drilling capability. Fitted with 6-spindle independently programmable drill unit featuring 5 vertical spindles and twin opposed right angle horizontal spindle. Accommodates drill bits up to 10 mm dia shank. Independent strokes up to 50 mm.



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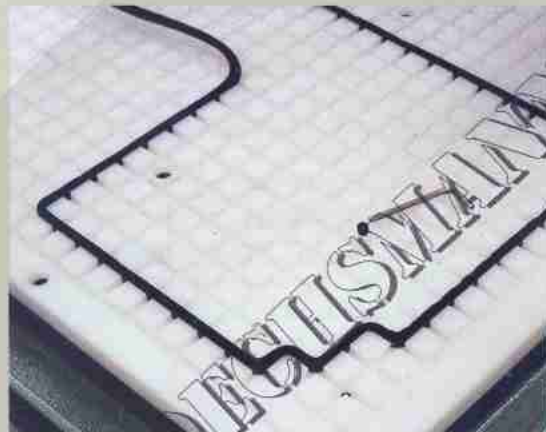
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# MILLING



## UNIQUE GUARDEX EXTRACTION

Each 'F' type head is totally enclosed by patented Guardex dust extraction system for highly efficient working cleanliness plus significant noise reduction. For safety a programmable hood positions automatically for tool changing, idling, and machining operations. Added safety provided by electrically interlocked spindle brake and lock.



## VACUUM WORKTABLE

Standard matrix form vacuum worktable provides fastest clamping medium for loading/unloading. Exceptional versatility for mounting single and multiple set-ups of any shape achieved by use of rubber clamping strip. Single and twin vacuum tables available for even greater versatility, and pendulum loading.

## FULL FUNCTION CONTROL

Full function advanced microprocessor based 3-axis computer control system offers comprehensive capability with reliability and simplicity for programming and operating. Main controls compactly grouped on eye level control pendant incorporating v.d.u. for displaying operating parameters, graphics, fault monitoring data, and comprehensive clear text programming dialogue. Operating modes include manual drive by handwheel, manual data input, and auto operation from the control memory. Memory programmed by manual data input, external Wadkin organiser, remote CAD system post processor, or direct on-line by 'teach-in' facility utilising spindle stylus, manual handwheel and digitising technique.





# ***CC2000 Series***

## ***A MACHINE FOR ANY APPLICATION***

### ***CC2000S***

Single spindle standard variant fitted with high-speed 'F' type head, with fully variable inverter drive up to 24000 rev/min. Available with option of one or two programmable drill units.

### ***CC2000D***

Twin spindle standard variant fitted with 2 fixed-centre mounted high-speed 'F' type heads, with fully variable inverter drive.

### ***CC2000SMD***

Twin spindle special variant fitted with single high-speed 'F' type head with fully variable inverter drive, and a multi-drill unit with 6 programmable spindles (5 vertical and 1 twin horizontal).

### ***CC2000P***

Twin spindle special variant developed for applications such as packaging press matrix boards, pcb's, and precision engraving. Fitted with high-speed air motor-driven veining head, and super high-speed 60000 rev/min liquid cooled head with 10-station auto tool changer.

### ***CC2000SS***

Twin spindle special variant developed primarily for sanding applications. Carries profile sanding head including table mounted programmable profile cutting tool, and a single high-speed 'F' type head with fully variable inverter drive.

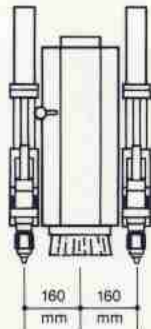
## ***A VERY SOUND INVESTMENT – AT AN EXTREMELY ATTRACTIVE PRICE***

- \* Precision engineered to a high specification.**
- \* Soundly built to a high standard with monobloc frame and quality fabrication.**
- \* Designed for maximum safety to operator with patented safety features.**
- \* Easy to operate, easy to programme on-line and off-line.**

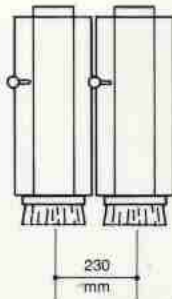


# CC2000 Series

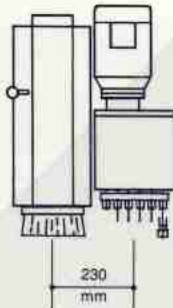
## HEAD CONFIGURATIONS



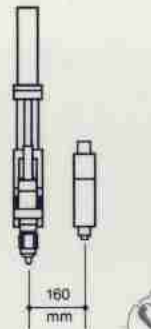
CC2000S  
Single 'F' head



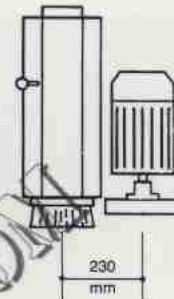
CC2000D  
Twin 'F' heads



CC2000SMD  
'F' head and  
Multi-drill unit



CC2000P  
Veining head and  
Super high-speed head



CC2000SS  
'F' head and  
Sanding head

## OPTIONS AVAILABLE

- Single vacuum
- Twin vacuum
- Single drill — CC2000S only
- Twin drill — CC2000S only
- Wadkin organiser
- 'M' code extension
- Pallet Changer
- Suds Mist
- 'T' slot table
- Inverter drive — subject to application
- Line Printer
- Off-line Computer Aided Programming

Standard machine supplied complete with Guardex extraction hood, spindle lock with electrical interlock, lockable isolator, set of collets, tool kit.

## SPECIFICATION

Table size	1060 × 700 mm (39 3/4" × 27 1/4")
Table height	920 mm (36 1/4")
Programmable movements, X axis	920 mm (36 1/4")
	Y axis 620 mm (24 1/2")
	Z axis 175 mm (6 7/8")
Spindle nose to table capacity, max	200 mm (7 7/8")
	min 25 mm (1")
Feed speeds, X & Y axes	0-12 m/min (0-475" per min)
	Z axis 0-6 m/min (0-235" per min)
Spindle speeds,	'F' type head 6000-24000 rev/min
	Super high-speed (CC2000P) 0-60000 rev/min
	Veining head 0-18000 rev/min

Distance between the spindle centres, CC2000D, SMD & SS	230 mm (9")
CC2000P	160 mm (6 1/4")
Motor power, 'F' type head, continuous rating	2.25/3 kW (3/4 hp)
intermittent rating	6 kW (8 hp)
Spindle bore, 'F' type head, standard	Wadkin 20° INC No. 2 M.T.
optional	
Floor space	2080 × 2175 mm (82" × 86")
Height	1760 mm (69")
Weight (approx)	1650 kg (3638 lb)

As our policy is to constantly improve design, the details given in the leaflet are not to be regarded as binding.

## DIMENSIONS

