

# WICKMAN

## KIS 26-130



**2 Axis  
CNC Bar & Chucking Lathe**

WICKMAN  
BENNETT

# WICKMAN

## KIS 26-130

- The KIS 26-130 CNC Lathe has been designed by Wickman-Bennett Engineers, building on 50 years of turning experience, specifically for the small parts producer.

- The design criteria to enable the user to meet industries ever increasing demands.

- Low Cost/Efficient
- High Accuracy
- Flexibility
- Ease of Use

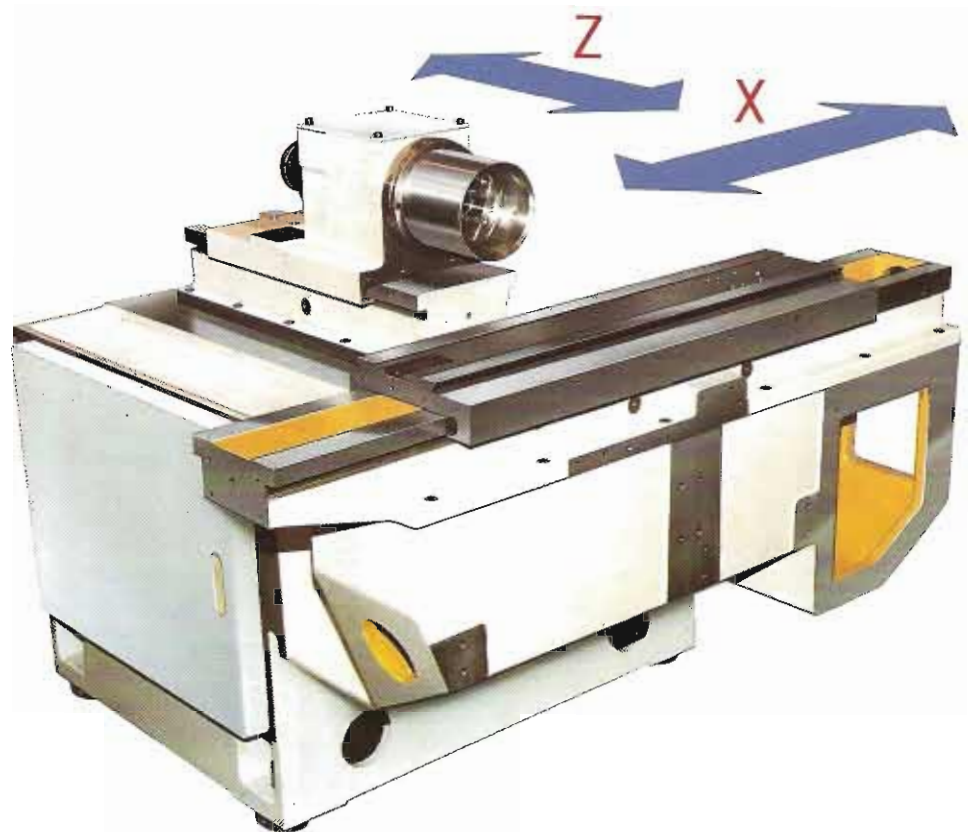
### 2 Axis

Z – Axis – Traversing Headstock.

X – Axis – Cross-Side – which carries the quick-change Platen.

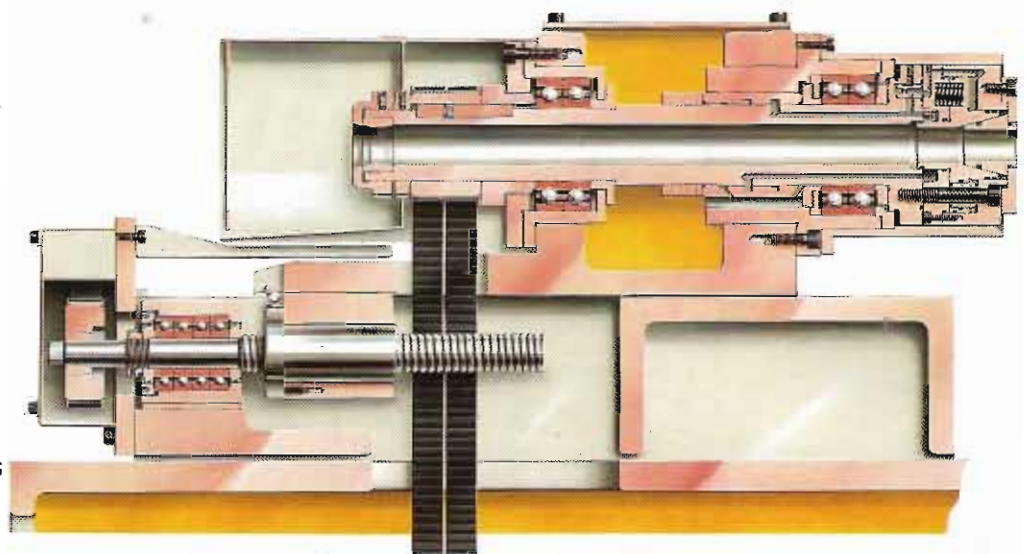
### Construction

- The accuracy is assured by the rigid bed construction in 'Meehanite' high grade cast iron.
- Slideways are induction hardened. Slides are Turcite lined.
- A 'No Fuss' keep it simple approach – perfecting basic engineering principles.
- Self contained unit on single frame for easy installation.
- Separate coolant tank/chip tray – for easy chip disposal and cleaning.
- By splitting axes, and eliminating compound slides, cutting thrusts are brought closer to guideways resulting in a higher degree of accuracy, repeatability and reduced cycle times.



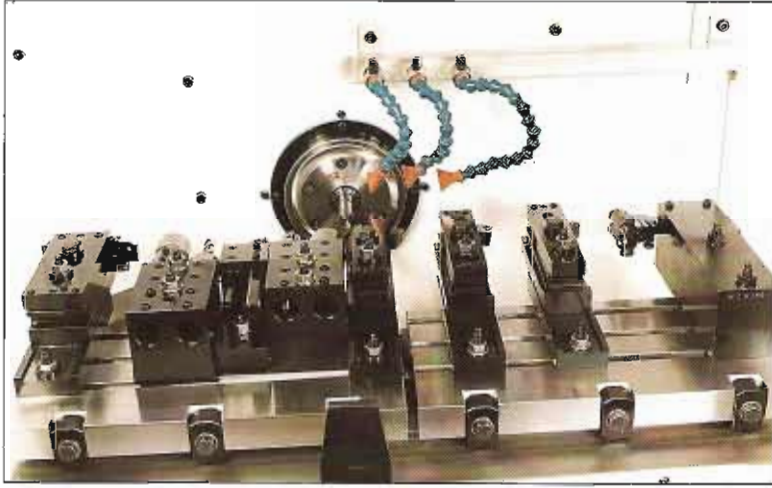
### Headstock

- Spindle is mounted on precision angular contact bearings front and rear.
- Bar is held with Crawford Multibore collets, with gripping range of 3.2mm (0.125"), reducing change-over times. Collet is actuated by hydraulic front end fixture.
- The collet fixture of 26mm diameter capacity (when using automatic bar feeder) can be removed from machine and a 130mm diameter 3 jaw front end hydraulic chuck fitted. No other change is necessary when converting from bar to chuck work.



## Tooling System

Utilising simple standard tooling to take 12, 16, 20mm shanks standard drills, boring tools ready available from major tooling manufacturers and suppliers.



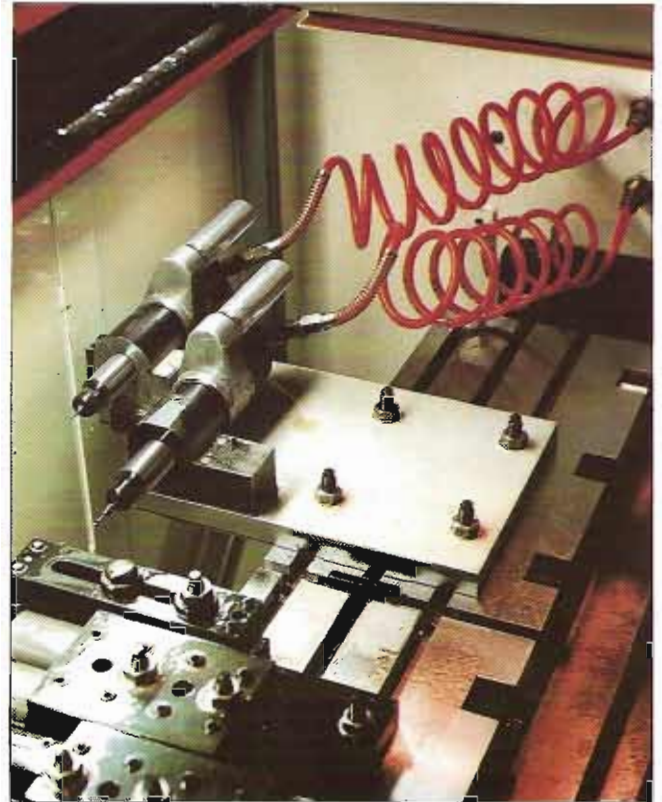
## Platen

**A flexible, quick-change, tooling system**

- Achieved by inter-changeable, Tooled (pre-set) Platens – gang type tooling eliminates turrets saving index time.
- Available in the unique 4 options of length combinations.
- Enabling common tooling to remain in position, and changing the section of Platen with tools required for new set-ups.
- Driven tools available: ● Spindle Positioning ● C Axis.
- Capacity for 12 typical tools.
- Excellent access and lighting to tooling area.

## Driven Tooling

- Driven tools and spindle positioning to an accuracy of 0.08 degrees are available to allow both radial crossdrilling and milling, and axial P.C. drilling and milling operations to be carried out, thus extending the capability of the machine.



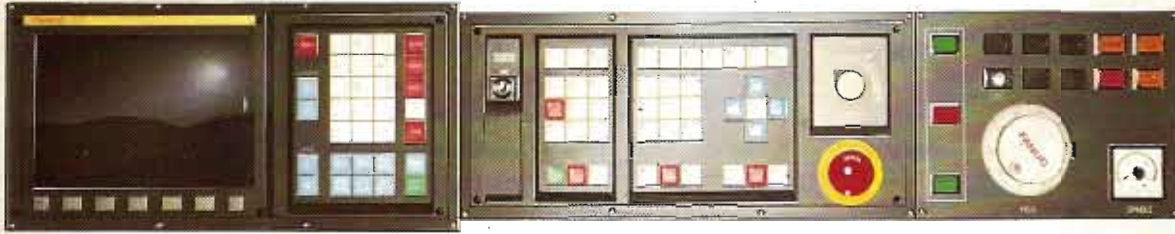
## Machine Specifications

<b>CAPACITY</b>	Swing over Platen	∅ 110mm
	Nominal work size, Bar Length	∅ 26mm 90mm
	Nominal work size, Chucker Length	∅ 130mm 90mm
	<b>SPINDLE</b>	Centre height from floor
	Spindle Nose	A2 No: 4
	Spindle Bore	∅ 31mm
	Spindle Speeds (infinitely variable)	60 - 6000 RPM
	Longitudinal Travel ('Z' Axis)	100mm
	'Z' Axis Rapid Travel	10 mpm
<b>TABLE</b>	Cross-Slide Travel ('X' Axis)	550mm
	'X' Axis Rapid Travel	10 mpm
	Tooling Type	GANG
	No. of typical tools	12
<b>MOTOR</b>	Main Spindle	5.5 kW (Cont)/7.2 kW (30 Min)
<b>SIZE</b>	Floor Area (excluding Bar Feed)	2030mm
		1860mm
	Height	1560mm

## Automatic Component Loading

The machine can be supplied with fully automatic loading from Conveyor via Robotic Gantry or Component Magazine.

# Fanuc Series 0



- The user friendly, compact, conveniently placed controls and CRT permit programming/editing, machine monitoring and many other functions:-

## Standard Features

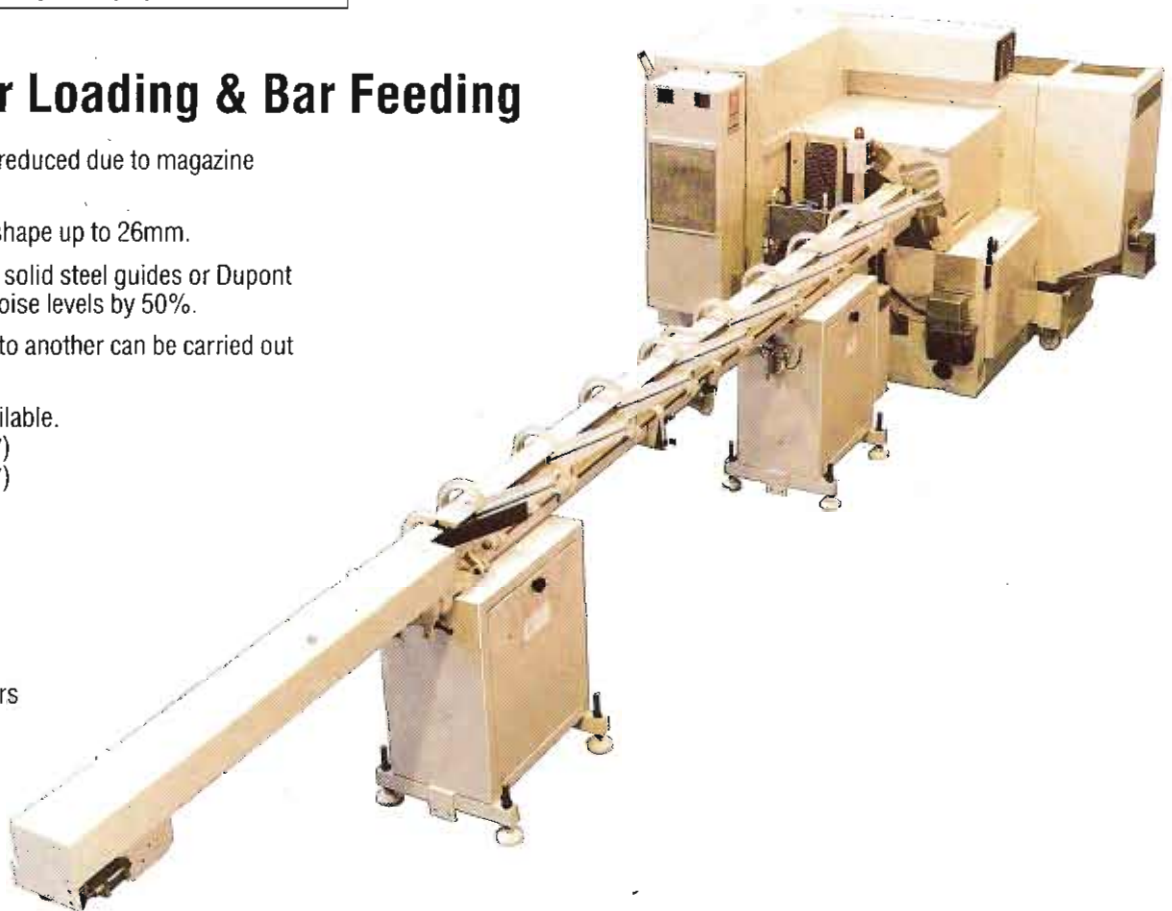
Controlled Axis -- 2	Tool Nose Radius Compensation
Least Increment 1µm	Canned Cycle
Interpolation	Multiple Repetitive Canned Cycle
Threadcutting	'X' - Axis Ø/Radius Programming
Feedrate Override 10m	M-Code 2 digit
Part Programme Storage	Spindle RPM
Manual Pulse Generator	Constant Surface Speed
RS 232 Interface	Tool Compensation - 16 pairs
Stored Stroke Limit	Direct Input of Measured Offset Valve
Battery Alarm Output	Registerable Programmes 63
Coordinate System Setting	Programmable Protect Key
Inch/Metric Conversion	Menu Programming
Chamfering, Corner Rounding	English Language

## Options

'C' - Axis	Additional Tool Offsets - 32 pairs total
Spindle Positioning	Programmable Input Offset Data G10
Graphic Display	Retract in Threading Cycles
Conversational Programming	Floppy Cassette Adaptor
Tool Offset Geometry Wear	Portable Tape Reader
Tool Life Management	Part Prog Storage 20/40/80/120 metres
Direct Drawing Dimension Prog.	Japanese/German/French Language

## Automatic Bar Loading & Bar Feeding

- Bar loading time greatly reduced due to magazine load/storage.
- Suitable for bars of any shape up to 26mm.
- Offered as standard with solid steel guides or Dupont Hytrel guides reducing noise levels by 50%.
- Re-setting from one bar to another can be carried out within a few seconds.
- Three model lengths available.  
Up to:- 3500mm (11' 6")  
4200mm (13' 9")
- Units can be supplied to customer's own requirements. Bar feeders also available.



Wickman Machine Tool Manufacturing Company Ltd.  
Banner Lane, Coventry CV4 9GE, England  
Telephone: (0203) 465231. Telex: 311941 WICBEN  
Facsimile: (0203) 461596



We reserve the right to alter the specification of our machines without prior notice.