

FC-250W

Standard accessories:

2 Machine light (12V).

Coolant system includes 30 liter tank.

Optical linear scale with digital display counter (0.001mm increment) X, Y axis.

TV camera with 15" LCD monitor.

Microscope with zoom system for adjustable from 15~120 magnification.

High performance swivelling angle reader (0.05° increment).

Options:

Dressing wheel with automatic swivelling and infeed including:

A: Control panel with touch screen.

B: Auto-infeed is equipped with servo-motor; the total infeed and infeed speed, one infeed with one or several oscillations can be preset.

C: Auto-swivelling is equipped with servo-motor; the total infeed and infeed speed, each infeed with both end swivelling can be preset.

Machine specification:

Wheel spindle taper	HSK50 (or customer request)
Max. diameter diamond wheel	ø250 mm
Min. diameter diamond wheel	ø50 mm
Max. wheel width	70 mm
Grinding wheel hole	ø20 mm (or customer request)
Grinding wheel speed	100~1000 R.P.M.
Grinding wheel motor power	1.5 Kw
Grinding wheel cross traverse	160 mm
Grinding wheel longitudinal traverse	140 mm
Grinding wheel radius	ø0.1~80 mm
Dressing wheel (SIC)	ø180 x 12 x ø31.75 mm
Dressing wheel speed	200~2000 R.P.M. (infinitely variable)
Dressing wheel infeed stroke	0~60 mm (infinitely variable)
Dressing wheel oscillating stroke	0~70 mm (infinitely variable)
Dressing wheel motor power	0.75 Kw

FARMAN**FARMAN MACHINERY IND. CO., LTD.**

No. 16, Ke-Yuan 1st Rd., Situn District, Taichung City 40763, Taiwan

TEL: 886-4-2566 5231 • 2566 5237

FAX: 886-4-2566 2049

E-mail: farman55@ms41.hinet.net

Website: www.farman.com.tw

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DIAMOND / CBN WHEEL TRUING AND DRESSING MACHINE

FC-250W



EASY & EFFICIENCY

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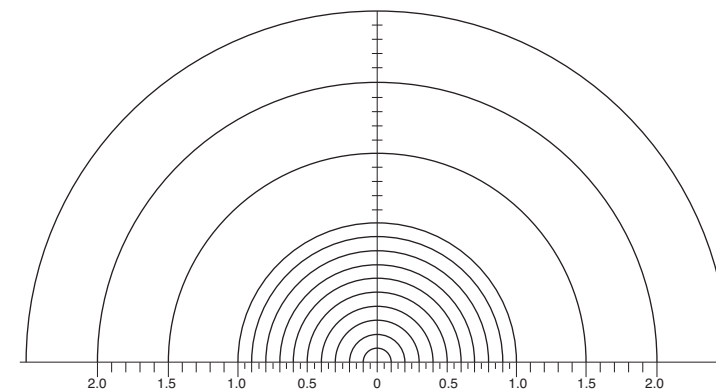


Highly accurate
Extremely Cost Effective



Design Features:

The Machine provides easy and efficiency in truing and dressing flats, angles, radii and forms on diamond and CBN Wheels and Wheel packages. This machine is simple to operate, highly accurate and extremely cost effective.



■ PRECISION SCALE

- Cross table consisting of precision linear slide and ball screw for accuracy and long life.
- Variable-speed 1.5KW motors with HSK 50 spindle or custom spindle and adapters are available to suit all CNC Grinding Machines.
- Swivelling dressing unit can be used manual or automatic.
- The machine is provided with coolant system or dust-collection system.
- Heavy duty rotary table pivots with two pairs of precision angular contact bearing.
- Variable-speed dressing wheel and the oscillation is adjustable in position, stroke and frequency.
- Video optical system, with a 15x -120x (zoom) magnification range and a 15" LCD monitor, allows for measurement and inspection of radii from 0.025mm to 9.5mm.
- Optical system for easy setup and for measuring wheel diameter, width, position, and inspection during or after dressing.
- The scale shown on the video monitor can be used to represent increments for various applications.
- The zoom optics provide magnifications from 15x to 120x. The magnification can be adjusted, using a sample of known size, and locked so that the scale will accurately show the desired increments.

GRINDING EXAMPLES:

