

FC-250W

Standard accessories:

- Two LED Light (12V)
- Optical linear scale (0.05° increments) for C-axis
- Optical linear scale (0.001mm increments) for X, Y axes
- CCD Camera system, 15x~120x magnification, with 17" LCD monitor
- Automatic lubrication system.

Options:

- Water-based coolant system 30 Liter.
- Dust collection system
- Water-based coolant system 100 Liters bag type with filter paper.
- RushVision Camera system, including computer, 22" LCD monitor.
- SIC dressing wheels
- Diamond wheel adapter to support any grinding machine.

Machine specification:

Diamond / CBN Grinding wheel:

Spindle form	HSK50 (Others available)
Maximum diameter	ø250 mm
Minimum diameter	ø50 mm
Maximum width	70mm
RPM range	100 ~ 1000 R.P.M., infinitely variable
Motor	1.5 Kw (2HP)
X-axis stroke	160 mm
Y-axis stroke	130 mm
Form radius range	ø0.1 ~ 60 mm

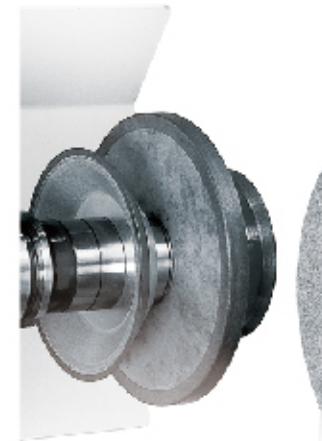
Dressing wheel:

Dimensions	ø180 x 13 x ø31.75 mm
RPM range	200 ~ 2000 R.P.M., infinitely variable
Oscillating frequency	30 to 60 cycles, infinitely variable
Oscillating stroke	0 to 70 mm, infinitely variable
Motor	0.75kw (1HP)

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

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06.2017/2000 06-171E/S 圖樣圖號 04-23227907



DIAMOND / CBN WHEEL TRUING AND DRESSING MACHINE

FC-250W

**EASY & EFFICIENT****FARMAN MACHINERY IND. CO., LTD.**



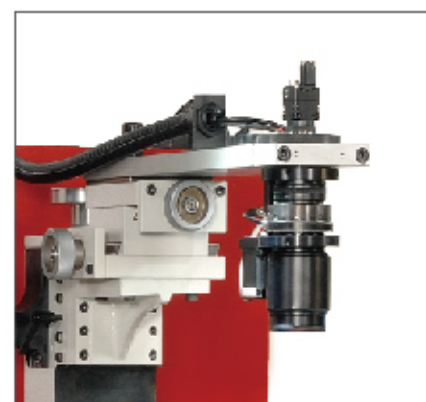
FC-250W

DIAMOND / CBN WHEEL TRUING AND DRESSING MACHINE



High precision
Extremely cost effective

Diamond / CBN
Grinding Wheel
Spindle



Dressing Wheel (SIC) Spindle

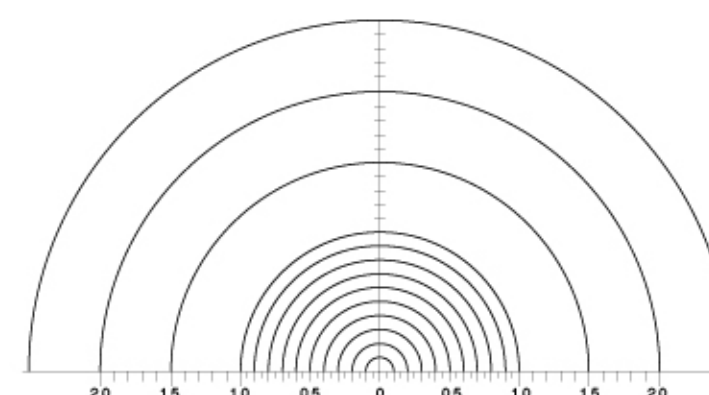
Dressing Wheel (SIC) / Oscillation axis (S axis)

Dressing Wheel (SIC) / Infeed axis Handwheel

Dressing Wheel (SIC) / Swiveling axis (C axis)

Design Features:

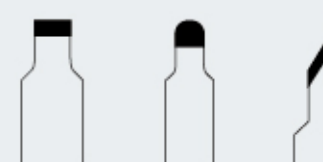
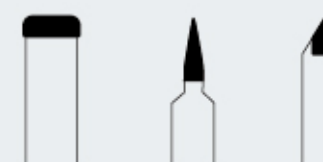
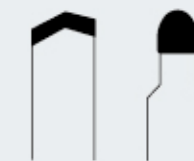
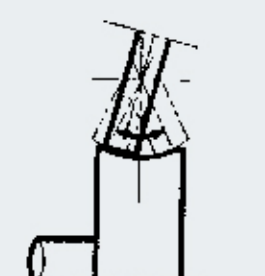
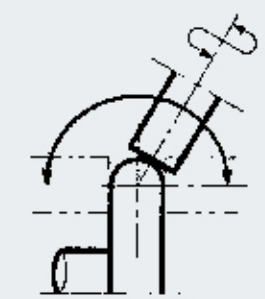
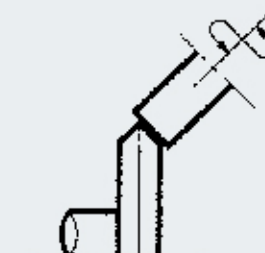
The machine provides easy and efficient in truing and dressing for flats, angles, radii and forms on diamond and CBN wheels and wheel packs. This machine is simple to operate, high precision and extremely cost effective.



■ PRECISION SCALE

- Cross slide table has a precision linear slide and ball screw for high precision and long life.
- Variable-speed 1.5kw motor with HSK-50 spindle. Other spindles and adapters are available to support any CNC grinding machines.
- The machine comes with a water-based coolant system.
- An Optional dust-collection system is available.
- Heavy duty dressing head swivel base is composed of 2 sets of precision angular contact bearings.
- Dressing wheel RPM, oscillation speed, stroke and position are adjustable.
- CCD camera and optical linear scale provide easy setup and measurement of the wheel diameter, width, position and inspection (during and after wheel dressing).
- Optional RushVision Camera system with a 15x - 120x magnification levels and 17" monitor to allow measurement and inspection of the profile form during machine operation.

Grinding examples:



FC-250W photo shown equipped with RushVision camera system (OPTION)