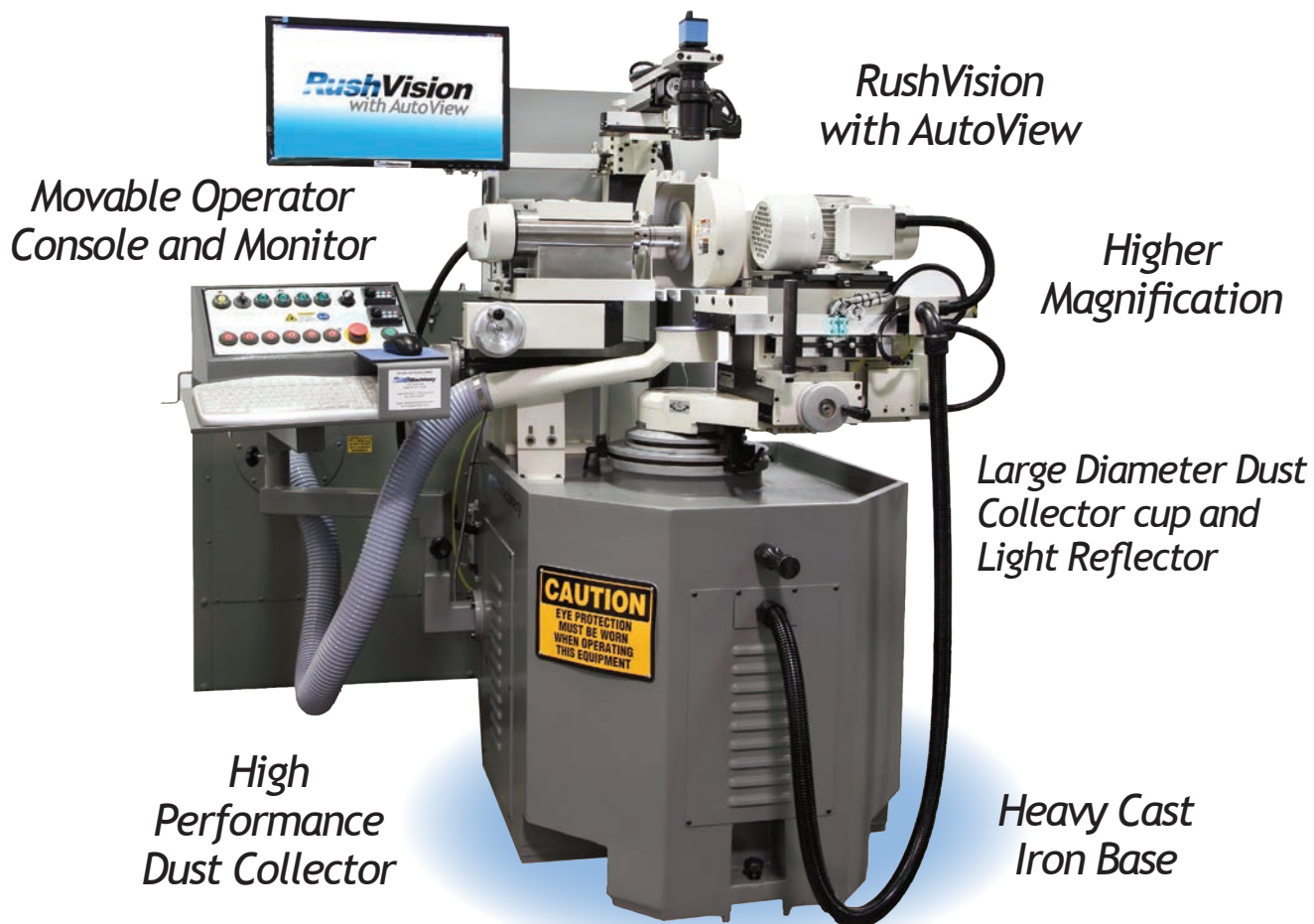


RushMachinery

Grind better.



Movable Operator Console and Monitor

RushVision with AutoView

Higher Magnification

Large Diameter Dust Collector cup and Light Reflector

High Performance Dust Collector

Heavy Cast Iron Base

Model FC-350W

*Wheel Truing and Dressing Machine with RushVision—
Simple to operate, highly accurate and cost effective.*

The FC-350W can dress single wheels or multiple wheel packs. Dress both the diameter and the inside of the wheels without taking the wheel packs apart.

A wide selection of quick change spindle nose adapters are available to match your wheel arbors.

Ease and efficiency in truing and dressing flats, angles and radii on diamond and CBN single and multiple wheel packs.

RushVision is complete with drawing templates for most common wheel shapes. Drawings can also be easily imported from CAD via external USB port or through the networkable industrial PC.

RushVision
with optional AutoView

RushVision with AutoView allows high precision, high tolerance work and truing complex forms and radii up to 2" (50 mm).

Other Models: The FC-350EX features a full enclosure for added safety, PLC controls for automatic infeed, oscillation and pivoting of truing wheel axis.

Larger machines (Models FC-700W and FC-700EX) are available for wheels up to 42" (1070 mm) in diameter.



Rush Machinery provides innovative, practical, and top quality products that save time and money, and improve the way people grind tools.

Applications

- Truing/Dressing flats, angles, convex and concave radii, and forms on diamond and CBN wheels. For individual and multiple wheel packs.

Diamond/CBN Wheel

- Maximum Diameter: 14" (356 mm) standard; 16" (406 mm) optional.
- Maximum Wheel Width: 3" (76 mm).
- Maximum Wheel Pack Length: 8" (200 mm) OAL.
- Spindle Type Options: #40 taper, HSK50 A/C, HSK50 E, or customer specified.
- Spindle Speeds: 100-1000 rpm (infinitely variable & reversible).
- Spindle Motor Power: 2 hp (1.5 kw).
- X & Y Slides: Fully enclosed linear ways with ball screws and optical linear scales.
- Travels: X axis: 8-3/4" (222 mm); Y axis: 5-1/2" (140 mm).

Truing/Dressing Head and Wheel

- Maximum Wheel Dimensions: 8" (200 mm) x 3/4" (19 mm) x 1-1/4" bore.
- Spindle Speeds: 200-2000 rpm (infinitely variable).
- Spindle Motor Power: 1 hp (0.75 kw).
- Head Pivot: 0 to 20 degrees, relative to oscillation slide - allows truing of smaller diameter wheels.
- Oscillation Drive: Inverter controlled gearmotor.
- Oscillation Slide: Fully enclosed linear ways with ball screw.
- Oscillation Frequency: 0-50 strokes/min. (infinitely variable).
- Oscillation Stroke: 0 to 3-1/4" (85 mm), (infinitely variable).
- Infeed Slide: Fully enclosed linear ways with ball screw and 4" (100 mm) travel.
- Hand knob on Oscillation slide for quick pre-setting of oscillation limits.

RushVision

- Magnification: 15x, 30x, 60x, and 90x (digital) power zoom (standard).
- Monitor: 22" HDTV flat-screen.
- Digital Readout: Displayed on monitor in .0001"/.001mm increments for X & Y axis and .04 degrees increments for C axis.
- Software: RushVision program allows importing of CAD drawings in .dxf file format via Real DWG®.

Weights

- Net: 2,200 lbs. (1000 kg).
- Crated: 2,650 lbs. (1200 kg).

Electrical

- 200-240v, 50/60 hz, 3 phase, 20A.

Optional Equipment

- AutoView Camera Positioning using computer controlled 2-axis slides with enclosed linear ways and ball screws. Moves the field of view within a 4" x 4" (100 mm x 100 mm) area.
- Higher magnification power zoom lens (30x, 60x, 120x, and 180x (digital)). Ask for the RushVision Magnification Specifications for detailed information on available magnification levels and performance.
- Dust collector with 3/4 HP motor, controlled from operator panel. Industrial duty, quiet, with low maintenance cyclonic separator and secondary fiberglass filter. HEPA option available.
- Adapters for cartridge-style spindles.
- Special taper or additional diamond/CBN wheel spindles.
- Mist coolant system - air operated and controlled from operator panel. Helpful for or larger and metal-bond wheels.

RushMachinery

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