

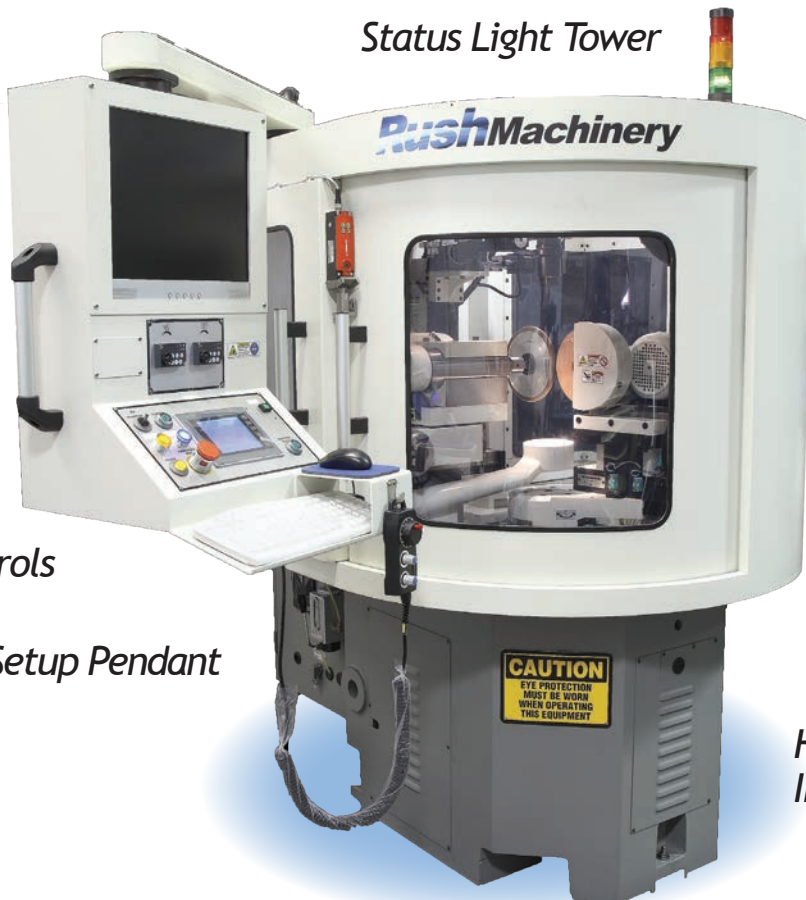
# RushMachinery

Grind better.

Movable  
Operator  
Console

Status Light Tower

RushVision  
with AutoView



Full Enclosure

PLC Controls

Setup Pendant

Heavy Cast  
Iron Base

## Model FC-700EX

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

The Rush Wheel Truing and Dressing Machines are designed for the truing and dressing of flats, angles and radii on diamond and CBN single wheels and multiple wheel packs.

The customized, easy to use, RushVision video software makes high-tolerance truing and dressing easier than ever before. Model FC-700EX is available for wheels up to 28" (700 mm).

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



The FC-350W and RushVision with AutoView allows high precision, high tolerance work and truing complex forms and radii larger than 0.25" (6.3 mm). RushVision is complete with drawing templates for most common wheel shapes. that can be easily imported from CAD via external USB port or through the networked PC.



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

### Machine Features

- Heavy duty construction with one-piece cast iron base.
- Cross table incorporates precision linear slides, ball screws, and is fully covered for accuracy and long life.
- Variable speed 3HP (2.2 KW) motor with quick-change spindle options for #40 taper, #50, HSK63, or customer specified spindle and adapters are available to suit all CNC and non-CNC grinding machines.
- Machine can be provided with a dust-collection system (optional).
- Heavy duty rotary table pivots with two pairs of precision angular contact bearings.
- Variable-speed dressing wheel and the oscillation is adjustable in position, stroke and frequency.
- RushVision system allows for the easy setup, and for diamond wheel profile display at three different magnification levels during and after dressing.

### Standard Accessories

- High resolution B/W camera with zoom lens and preset magnifications (15x, 30x, & 60x).
- Automatic power zooming control system.
- AutoView Automatic camera positioning.
- Video overlay (CAD generated drawing overlaid on live video image).
- Onboard PC with Windows operating system and 22" HD display monitor.
- RushVision software program.
- Optical linear scales with digital display counter (.0001"/.001 mm increment) X, Y axis.
- High performance swivel angle reader (0.01 degree increments).
- Automatic dressing wheel swiveling, oscillation and auto- infeed (Servo driven, PLC controlled).
- Central lubrication system (manual).
- Instruction and parts manual.
- One-year limited warranty.
- One day of setup and training by Rush Personnel.

### Optional Accessories

- Dust Collection System.
- Mist Coolant System.
- Customer specified quick-change spindle nose adapters for most types of grinders
- Customer specified quick-change Wheel Spindle Cartridges.
- Special option available for larger diameter wheels

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