



FEATURES

- A Heavy-Duty Machine Construction
- One piece cast iron base provides extra rigidity and minimizes vibration.
- Precision linear slides with ball screws.
- One-shot lubrication to all moving parts.
- Independently variable-speed spindles for precision tuning of the truing process.
- 17" Flat screen monitor.
- Dressing unit pivots on (2) pairs of precision angular contact bearings.
- Control panel with touch screen.
- Auto-in feed is equipped with servo-motor; the total in feed and in feed speed, one in feed with one or several oscillations can be preset.
- Auto-Swivelling is equipped with servo-motor; the total in feed and in feed speed, each in feed with both end swivelling can be preset.

ExVision Software Features:

- The HSK500 Diamond/CBN wheel trueing and dressing machine can be equipped with ExVision -a computer-driven vision system with a software program specifically designed for the HSK500 and its various applications. ExVision is user-friendly, and contains easy-to-use menus for selecting standard as well as user-customized wheel shapes. Included are menus for drawing lines, arcs and basic, as well as complex forms. This system is easy for everyone to use, including those not familiar with CAD functions.
- ExVision allows operators to create unique wheel forms to their specifications, and save them within the program for future use.
- The customized video software platform makes high-tolerance trueing and dressing easier than ever before! In addition to the auto-zoom capabilities, this system allows magnification levels from 15x to 60x as standard; and, an optional high magnification system that allows from 30x to 120x - giving the benefit of true continuous in-process optical inspection while you work.
- With ExVision, trueing a standard or unique wheel shape is as easy as selecting from a menu, entering the given parameters, and trueing to the line on the screen-it's just that simple! You can also import drawings from CAD right into ExVision and start trueing to a print.
- In addition to standard drill forms, ExVision also works with flute form calculation software. Just input the values from a report and ExVision will automatically produce the form on the screen-just as easy as trueing a drill form.

SPECIFICATIONS

Diamond / CBN Wheel Spindle Taper	HSK500
Max Diameter Of Diamond / CBN Wheel	250mm
Mix Diameter Of Diamond / CBN Wheel	30mm
Max Diamond / CBN Wheel Width	70mm
Diamond / CBN Wheel Speed	100-1000rpm (Infinitely variable)
Diamond / CBN Wheel Motor Power	1.5kw (2hp)
Diamond / CBN Wheel Cross Travel	160mm
Diamond / CBN Wheel Longitudinal Travel	120mm
Diamond / CBN Wheel Radius	0-60mm
Trueing / Dressing Wheel Dimensions	175x12x31.75mm
Trueing / Dressing Wheel Speed	200-2000rpm (Infinitely variable)
Trueing / Dressing Wheel Oscillation Frequency	0-50 strokes/minute (Infinitely variable)
Trueing / Dressing Wheel Oscillation Stroke	0-635mm
Trueing / Dressing Wheel Motor Power	0.75Kw
B-Axis Motor	AC Servomotor

STANDARD ACCESSORIES

- High resolution B/W camera with zoom lens and preset magnifications (15x, 30x, & 60x).
- Automatic power zooming control system.
- Video overlay (CAD generated drawing overlaid on live video image).
- Onboard PC with Windows operating system and 17" display monitor.
- ExVision software program.
- Optical linear scales with digital display counter (.0001" increment) X, Y axis.
- Operation Manual and Parts List

OPTIONAL ACCESSORIES

- Dust collection system.
- Auto-in feed (per in feed from 0.001 mm~0.1 mm)
- Auto-swivelling (0~80°/ sec)
- Higher magnification zoom lens (30X, 60X, 120X)