



TRUDRESS ULTRA II



INCLUDES

- 2" thick Steel Table Top, offers "Tru" rigidity*
- Standard Direct Drive Spindle*
- Servo Positioning actuators provide accuracy and ease of use when fitted with optional safety*
- Ability to true wheels from 1/4" to 16" (6mm to 407mm) Diameter*
- Small Footprint requires minimal shop floor space*
- Real-Time, Live Image Vision System*
- Servo Driven Oscillation*
- Scaled Linear Slides with Positive Air Pressure*
- Optional Safety Enclosure Available*

WHEEL DRESSING MADE EASY

DIMENSIONS AND SPECIFICATIONS

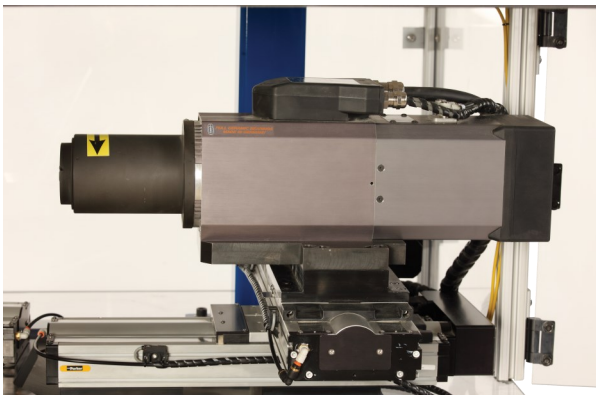
- > Trued Wheel Diameter Range of 1/4" to 16" (6mm to 407mm)
- > Max Dressing Wheel Diameter of 10" (250mm)
- > Max Wheel Pack Length of 8" (200mm)
- > Work Head travel:
X axis: 8" (200mm), Y axis: 12" (300mm)
- > Truing Wheel Travel:
X axis: 4" (100mm), Y axis: 8" (200mm)
- > Electrics: 240 Volt, 3 Phase, 50/60 Hz
- > Complete with "Emergency Safety Stop" to terminate all machine movements
- > Dimensions:

	Without Enclosure:	Enclosure Doors Closed:	With doors Open:
Height	72" (1829mm)	72" (1829mm)	
Weight	1800lbs (816 kg)	1950lbs (885kg)	
Length	64" (1626mm)	64" (1626mm)	119.125" (3025.8mm)
Width	54" (1372mm)	62" (1574.8mm)	59" (1498.6mm)

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
 *UL & CE Certifications Available



MAIN SPINDLE AND ITS COMPONENTS



OPTIONAL SPINDLE PICTURED

- > Our high torque 10 HP (7.4 kW) direct drive spindle uses a standard ISO40 taper with semiautomatic push button tool retention system directly accepting all Big Plus, CAT-40, and SK-40 adapters
- > The optional 10 HP (7.4 kW) direct drive spindle features a HSK63F with semiautomatic push button tool retention system directly accepting HSK63 B, D, & F, and HSK50 A, C, & E
- > Variable spindle speed is displayed on screen in RPM format
- > Servo motors control movements of both "x" and "y" axis and provide on screen digital readout. Utilizes precision linear positioners with ball screw drives which offer high efficiency, accuracy, and repeatability
- > Adapters are available for both spindles to fit most popular grinding machines

WORK SPINDLE



- › A 2.7 HP (2 kW) direct drive motor powers the dressing wheel, and has a wheel capacity of 10" (250mm) diameter and 0 to 0.500" (0 to 12.5mm) in thickness
- › Variable spindle speed is displayed on screen in RPM format
- › The "x" and "y" axis utilize precision linear positioners with ball screw drives offer high efficiency, accuracy, and repeatability
- › The "y" axis has a special worm gear feed reduction of 0.5mm/revolution for extra fine feed rates
- › The "x" axis uses a variable speed servo motor drive for smooth and quiet movement
- › For contour or radius shaping the head rotates a full 210 degrees on a heavy preload cross roller bearing. A standard pneumatic disc brake, with touch screen control for setting angular lock down. End of travel stops, with early warning. An inductive encoder is used to measure this axis. The encoder features a homing sequence for easy zero degree calibration
- › A large diameter suction inlet is located directly below the grinding centerline for unimpeded debris removal

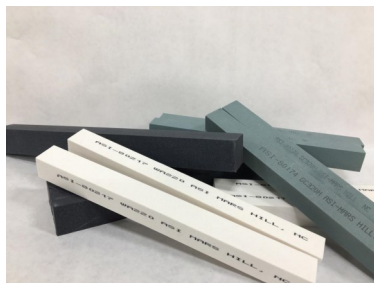
VISION SYSTEM/SOFTWARE

- › Super speed camera system with 9 positive "CLICK" zoom levels
- › Live imaging allows for simple truing of wheel diameters, angles, and radii. It also provides enhanced after truing inspection of the wheels shape and surface condition
- › Adjustable LED top lighting provides clear imaging without impeding vacuum flow
- › The industrial grade computer is mounted inside the sealed enclosure
- › Easy to use PC based software on a 23" (585mm) NEMA sealed touchscreen
- › On machine design and storage capability for most standard wheel shapes
- › Easy to access USB port for importing .dxf format files
- › Software features a wheel speed calculator allowing the machine to set initial speeds of both spindles for maximum grinding efficiency
- › Encoder readouts are displayed on screen in either Metric or English units
- › Drawings incorporate color coded lines to better define selected geometry of profile



OPTIONAL SAFETY ENCLOSURE

- › Aluminum and polycarbonate construction
- › Two large access doors
- › Coded magnet door switches stop all machine motions when either door is opened
- › Safe sticking mode for hand sharpening with door open



ADVANCEDSUPERABRASIVES®