ADVANCED SUPERABRASIVES

TRUDRESS ULTRA II

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WHEEL DRESSING MADE EASY

DIMENSIONS AND SPECIFICATIONS

INCLUDES

2" thick Steel Table Top, offers "Tru" rigidity

Standard Direct Drive Spindle

Servo Positioning actuators provide ease of use when fitted with optional safety enclosure

Ability to true wheels from 1/4" to 16" (6mm to 407mm) Diameter

Small Footprint requires minimal shop floor space

Real-Time, Live Image

Servo Driven Oscillation

Sealed Linear Slides with Positive Air Pressure

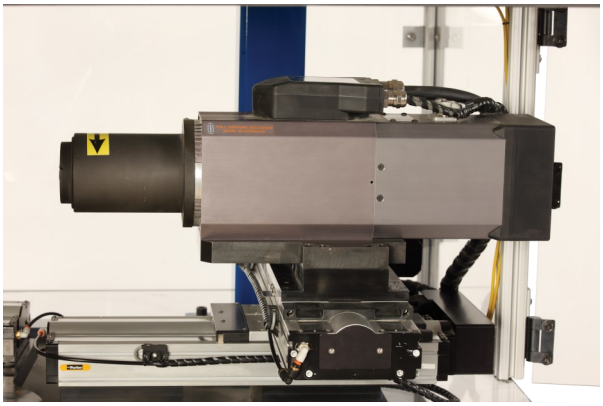
Optional Safety Enclosure Available

- 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)
- Diamond/CBN wheel Main Spindle travel:
  X axis: 8" (200mm), Y axis: 12" (300mm)
- Truing Wheel Travel:
  X axis: 4" (100mm), Y axis: 8" (200mm)
- Electrics: Standard 240 Volt, 3 Phase, 50/60 Hz
- Complete with "Emergency Safety Stop" to terminate all machine movements
- Dimensions:

	Without Enclosure:	With 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

MAIN SPINDLE AND ITS COMPONENTS



OPTIONAL SPINDLE PICTURED

- Our high torque 10 HP (7.4 kW) direct 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 spindle speed is variable and includes on screen digital RPM readout
- 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 offers high efficiency, accuracy, and repeatability
- 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
- 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
- The spindle speed is variable and displays on screen as a digital RPM readout
- The “x” and ”y” axis utilizes precision linear positioners with ball screw drives which 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

OPTIONAL SAFETY ENCLOSURE

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