

PTX ECO SMART

The professional surface finisher for hard, continuous use.

A revolution in linear grinding! Simply slide on the abrasives and they secure themselves automatically when the machine turns. Fast and easy!



Press the spindle lock and simply slide on the abrasive wheels or brushes, turning in the correct direction onto the finned shaft. They will be secured automatically.



Grinding in corners is easy – simply slide the abrasive wheel on the finned shaft a little towards the outside.



Even narrow abrasive wheels can be used on the PTX Eco Smart and positioned freely on the finned shaft (no spacer rings required).



1 Adjustable handle suitable for right and left-handed users. Anti-vibration handle for comfortable, fatigue-free working.



2 Simple speed control during operation. Stable speed thanks to tachogenerator.



3 QUICK-LOCK cable for fast, easy replacement if cable is damaged. 13 ft., included.



4 Infinitely adjustable cover guard with securing points for the extraction cover.

Part Number: 40005



5 Extended polycarbonate cover guard for grinding wheel widths up to 6". **Part Number: 52706**



6 Hollow core shaft adapter for roller wheel widths up to 6" and vibration-free operation. **Part Number: 42004**



PTX Eco Smart



110 Volt
or 220 Volt

Perfect finishes on large surfaces, with no shadows or streaks.



New abrasive mounting system saves time, reduces cost and eliminates vibration.

PTX Eco Smart is a multi-functional grinding and polishing system for flat surfaces and open or closed pipe constructions. It grinds from coarse to very fine finishes and burnishes to a high-gloss finish. It enhances stainless steel, steel and nonferrous metals including aluminum, brass, bronze and copper, as well as wood and rigid plastic.

Balanced straight-line handling, high torque and electronic speed control enable the PTX to easily produce matte, satin and other decorative surfaces up to a mirror finish. Besides fine finishing, the PTX is ideal for coarse grinding to remove welds, deep scratches, oxidation, rust and paint.

PTX Eco Smart features a newly developed abrasive mounting system. This unique system allows grinding and polishing wheels to be changed in seconds, without tools or hardware. Simply slide the wheels and accessories onto the finned, rigid rubber shaft. They secure themselves automatically when the machine turns.

The finned shaft design ensures absolutely no vibrations during operation and 100% concentricity. The main savings compared to other linear grinders comes from the cost of abrasives. The elimination of an internal core means the abrasive wheels can be produced less expensively, while delivering the same high-quality results.

CS Unitec can provide you with an extensive range of abrasive tools and accessories to cover almost every conceivable surface finishing application.



Satin finishing using interleaf fleece wheel.




A wide selection of hollow-core abrasives is available for the PTX Eco Smart. The lack of a core insert means that the abrasives are lighter, easier to use and less expensive.

NOTE: We do continue to carry abrasives with core insert adapters for older LP 1503 VR model grinders and other machines. Contact us for more information.

PTX Eco Smart Specifications

Order Number: PTX ECO SMART

Power	15 Amp (1710 Watts) 110 Volt / 60 Hz (Also available: 230 Volt / 50 Hz)	
Speed Control Dial	Variable speed control from 1000 to 3800 RPM with tachogenerator for constant speed, even under load	
Wheel Width	2", 4" or 6" wide abrasives	
Wheel Diameter	up to 4-1/2"	
Weight	7.25 lbs.	
Standard Equipment	4" Interleaf (combi) wheel – P/N 47312 Shaft Adapter – P/N 42004	



A range of professional PTX Eco Smart kits is available for a variety of applications. See page 6 for more information.

Accessories

Hollow-core Shaft Adapter

Allows user to utilize more economical hollow-core abrasives on traditional surface finishers. Fits 3/4" dia. x 4" long shaft and 1/4" keyway(s). Overall diameter of adapter is 1-3/4" (45mm)
Part Number: 42004



The PTX Bench Grinder – MULTI-MAX

Multipurpose sander with two shaft mountings for grinding discs, angle grinders and grinding rollers for longitudinal grinders. Uses all PTX abrasive wheels and discs. (See page 12 for more details.)



Pneumatic Surface Finisher

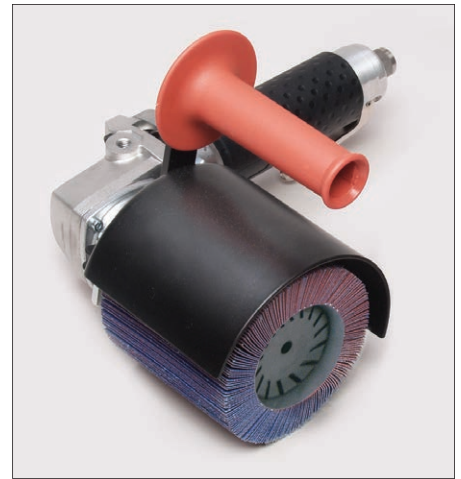
Save time sanding and polishing. 4" wide face is ideal for finishing stainless steel, metals, wood and synthetics.

The powerful LP 1503 AIR grinding and polishing machine produces a uniform finish fast and easy without leaving visible transitions and shadows. It is compact, lightweight and heavy duty. Ideal for graining, polishing, brushing, blending, deburring, cleaning welds, roughing and more. Easily achieve a #3, #4, #6 or #8 finish. Constant speed, high torque and a comprehensive line of accessories make this an essential tool for surface finishing.

Pneumatic Surface Finisher Specifications

Order Number: LP 1503 AIR

Load Speed	2500 RPM
Motor	1 HP (1/2" Air Connection)
Air Consumption	20 CFM @ 90 PSI
Wheel Diameter	up to 4-1/2"
Weight	8 lbs.
Standard Equipment	4" Interleaf (combi) wheel – P/N 47312 Shaft Adapter – P/N 42004



1 HP air motor at 90 PSI

PTX Eco Smart Kits

PTX Professional Kit For Metalworking

This set comes in a strong, impact-resistant transport case and contains everything you need for shadow-free industrial finishes. Match or create any finish up to a mirror finish on metals. Prevent marks and fingerprints with newly developed cleaning products and preservatives. **Part Number 47004A**



PTX Professional Kit for Metalworking includes:

- 1 PTX Eco Smart machine
- 1 Professional Case (P/N 80002)
- 1 40 grit flap wheel, 4" x 4-1/8" (P/N 47211)
- 1 80 grit interleaf (combi) wheel, 4" x 4-1/8" (P/N 47312)
- 1 Expansion roller, 3-1/2" x 4" (P/N 47005)
- 2 80 grit grinding belt sleeve, 3-1/2" x 4" (P/N 42080)
- 1 Fine fleece (Nonwoven) sleeve, 3-1/2" x 4" (P/N 42012)
- 1 Medium fleece (Nonwoven) sleeve, 3-1/2" x 4" (P/N 42011)
- 2 A45 TZ Pyramid sleeves, 3-1/2" x 4" (P/N 42245)
- 2 A30 TZ Pyramid sleeves, 3-1/2" x 4" (P/N 42230)
- 2 A16 TZ Pyramid sleeves, 3-1/2" x 4" (P/N 42216)
- 2 A06 TZ Pyramid sleeves, 3-1/2" x 4" (P/N 42206)
- 3 SuperPolish sleeves, 3-1/2" x 4" (P/N 42013N)
- 1 Belt driving roller (P/N 47006)

- 2 80 grit grinding belts, 1.2" x 24" (P/N 49080)
- 1 Medium fleece (Nonwoven) belt, 1.2" x 26" (P/N 49002)
- 2 A45 TZ Pyramid belts, 1.2" x 24" (P/N 49345)
- 2 A30 TZ Pyramid belts, 1.2" x 24" (P/N 49330)
- 2 A16 TZ Pyramid belts, 1.2" x 24" (P/N 49316)
- 2 A06 TZ Pyramid belts, 1.2" x 24" (P/N 49306)
- 3 SuperPolish belts, 1.2" x 26" (P/N 49004N)
- 1 Mini high gloss polishing paste, pink (P/N 40015T)
- 2 Mini polishing pastes, white and blue [P/N 40013 (white) P/N 40014 (blue)]
- 1 PTX lime scatter can (P/N 40020A)
- 5 Microfiber cloths (P/N 40031)
- 1 Brilliance clean spray bottle (P/N 40050)
- 1 INOX-protect spray bottle (P/N 40040)

PTX Basic Kit for Metal

Basic set for coarse finishing to #4 finish on flat surfaces and pipes.

Part Number 47003A

PTX Basic Kit for Metal includes:

- 1 PTX Eco Smart machine
- 1 Carrying Case (P/N 40008)
- 1 60 grit flap wheel, 4" x 4-1/8" (P/N 47212)
- 1 80 grit interleaf (combi) wheel, 4" x 4-1/8" (P/N 47312)
- 1 Expansion roller, 3-1/2" x 4" (P/N 47005)
- 1 Medium fleece (Nonwoven) sleeve, 3-1/2" x 4" (P/N 42011)
- 1 Belt driving roller (P/N 47006)
- 1 80 grit grinding belt, 1.2" x 24" (P/N 49080)
- 1 Medium fleece (Nonwoven) belt, 1.2" x 26" (P/N 49002)
- 1 40 grit grinding belt, 3.6" x 4" (P/N 42040)
- 1 60 grit grinding belt, 3.6" x 4" (P/N 42060)
- 1 80 grit grinding belt, 3.6" x 4" (P/N 42080)
- 1 120 grit grinding belt, 3.6" x 4" (P/N 42120)



PTX Kit For Woodworking

The complete set for treating wooden surfaces. Strong transport case with PTX Eco Smart and a range of brush wheels for various wood structures. Suction cover for extracting grinding dust particles.

Part Number 40004-3A

PTX Basic Kit for Woodworking includes:

- 1 PTX Eco Smart machine
- 1 Carrying Case (P/N 40008)
- 1 Suction cover (P/N 40005)
- 1 Spacer ring (P/N 40007)
- 1 PTX stranded wire wheel (P/N 46301)
- 1 Bristle wheel (P/N 46101)
- 1 Fiber wheel (P/N 46400)

