

# POLY-PTX<sup>®</sup> 802 HT

NEW

## THE NEW STAYING POWER

**The inventor of the hand-held linear grinding machine is introducing a refinement of its familiar POLY-PTX<sup>®</sup> series, starting immediately.**

The new POLY-PTX<sup>®</sup> 802 HT (high torque) linear grinder offers a torque and performance profile that is so far unmatched. The newly developed planetary gear distributes traction across additional gear wheels in a sophisticated arrangement, greatly increasing all drive components' resistance to wear and making the professional device a continuous runner. Eisenblätter has also refined the shaft handle, offering it with new, rubberised inserts that provide an especially good grip and optimal handling during linear grinding, satin finishing, or polishing, ensuring uniform grinding results that are entirely free of shadows.

The drive spindle is of corrosion-free stainless steel. All grinding tools can be manually attached without screws by means of a self-centring knurled screw – now with rotary protection. Even the protective cover for the grinding rollers has been significantly improved and is of robust, precise aluminium pressure casting to which the optional suction cover with its suction sockets can be added. Special attention has been paid to the hose guide, which provides free lateral space during work. An additional retractable polycarbonate cover protects the eyes from flying particles during use of the extra-wide grinding rollers (up to 150 mm) from our Eco Smart system.

**The new POLY-PTX<sup>®</sup> 802 HT has been designed for long service life and value preservation and represents a new level of quality and performance in linear grinding machines.**

### NEW 1,750-WATT MOTOR – EVEN MORE POWER

A refined motor with very high power density and a number of new features ensures completely new standards of torque, productivity, and service life.



### POWER TRANSMISSION WITH A PLANETARY GEAR

A high-quality planetary gear has been designed for grinding machines in the low speed range. It ensures wear-resistant power transmission with enormous additional torque.





**POLY-PTX® CAN BE DELIVERED  
AS A BATTERY-POWERED TOOL!**

See pages 162–163

**THE NEW POLY-PTX® 802 HT ALLOWS YOU TO ACHIEVE CONVINCING PRODUCTION INCREASES AND VALUE PRESERVATION WITH VERY LOW FOLLOW-ON COSTS. IT IS OPTIMALLY EQUIPPED FOR TOUGH CONTINUOUS OPERATION.**

## DUST PREVENT SYSTEM FROM EISENBLÄTTER

The new DUST PREVENT SYSTEM (patent pending) effectively provides protection from coarse swarf and metal particles without impairing the cooling ventilation. A protective cap effectively reduces dust entering the lateral ventilation grilles. Particles bounce off the protective cap. Fresh air intake is only from the air in the rear, which is largely free of particles.



### Without DUST PREVENT SYSTEM:

Coarse dust particles are taken into the ventilation grilles without any intervening protection.



### With DUST PREVENT SYSTEM:

Coarse dust particles bounce off the protective cap, and air with few particles is taken in from the rear.



### Alternative:

For particulate matter (with aluminium, etc.), we recommend, as an alternative to the DUST PREVENT SYSTEM, the particulate matter protection cap (see page 29).

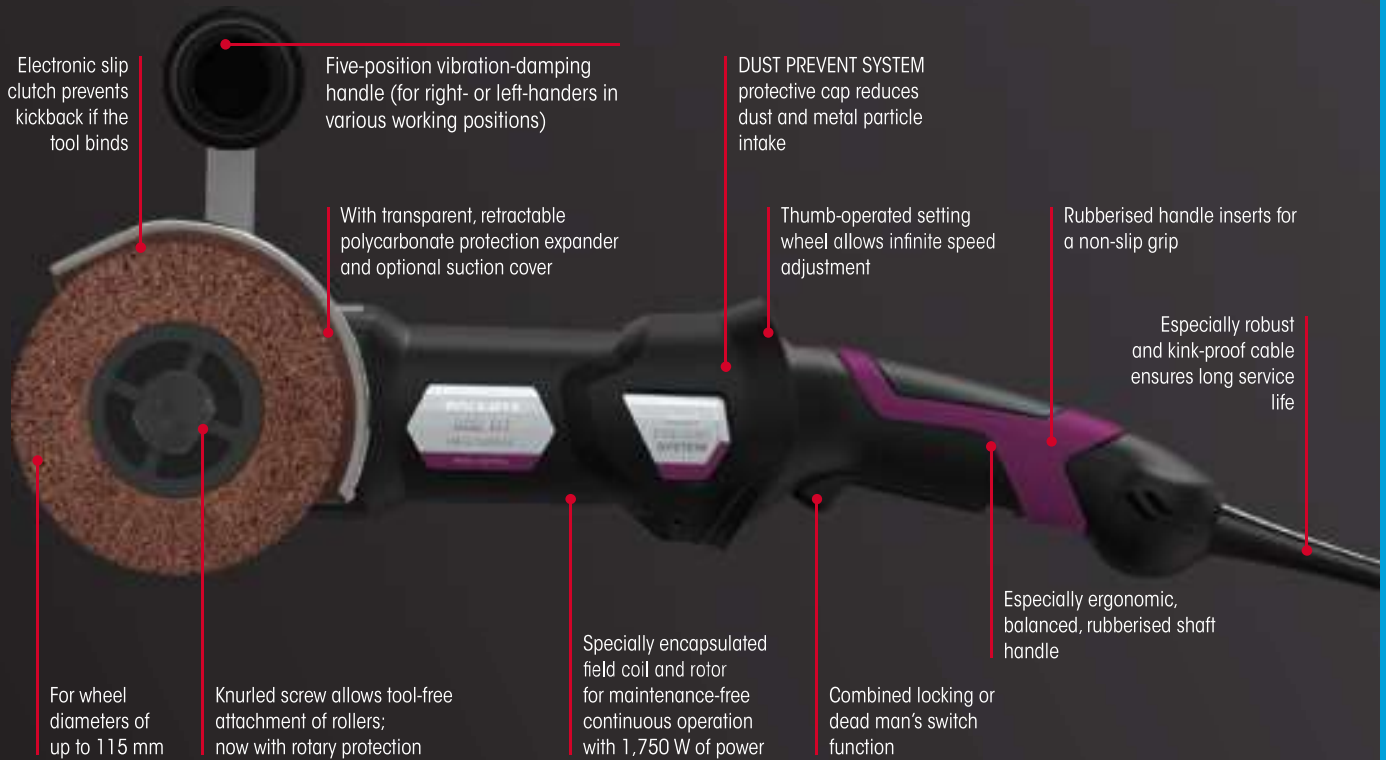
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## OVERVIEW OF PRODUCT ADVANTAGES

- **Shadow-free satin finishing, brushing, polishing of all metals (stainless steel to non-ferrous metals) to wood.**
- Removes weld seams, deep scratches, rust, dirt, paint, and oxide layers.
- **Extremely powerful, durable motor of 1,750 W with a sophisticated planetary gear** for maximum power transmission and torque (high torque) throughout the **speed range, 820-3,000 rpm** with a tacho-generator for constant speeds, even under load – made entirely in Germany.
- New, especially **ergonomic shaft handle** for optimal grinding roller handling.
- **Planetary gear delivers maximum torque and preserves value.**
- **19 mm stainless steel drive shaft with double splines** across the entire length of the spindle for grinding rollers of up to 115 mm in diameter and 100 mm working width (milled fleece wheels of up to 110 mm) – with the Eco Smart adapter, up to 150 mm working width.
- **Large grinding tool range** for decorative surface finishing.
- Very fine grinding on large surface areas thanks to the oscillating grinding movement.
- The **optional grinding belt roller** allows use as a **pipe grinder**, even on **closed pipe constructions**.





Optional ball joint mount for stationary fixing on workbenches, etc. (see p. 289)



Optional: Suction cover with optimised hose guide

## Technical data **POLY-PTX® 802 HT basic set**

Plug type	Cable type	Mains connection (V ~ Hz)	Power (W)	Mount (mm)	Working width (mm)	Speed (rpm)	Weight (kg)	Pkg. unit	Article number
EU (C+F)	Permanent connection	220-240 ~ 50-60	1,750	19 mm Double keyway	max. 100 (with Eco Smart 150)	820-3,000	2.8	1	40201
CH (J)	Permanent connection	220-240 ~ 50-60	1,750	19 mm Double keyway	max. 100 (with Eco Smart 150)	820-3,000	2.8	1	40201s
US (B)	Permanent connection	110-120 ~ 50-60	1,750	19 mm Double keyway	max. 100 (with Eco Smart 150)	820-3,000	2.8	1	40201u
UK (G)	Permanent connection	110-120 ~ 50-60	1,750	19 mm Double keyway	max. 100 (with Eco Smart 150)	820-3,000	2.8	1	40201a
JP (B)	Permanent connection	110-120 ~ 50-60	1,750	19 mm Double keyway	max. 100 (with Eco Smart 150)	820-3,000	2.8	1	40201j



- Set contents:**
- 1 POLY-PTX® 802 HT machine
  - 1 DUST PREVENT SYSTEM
  - 1 particulate matter protection cap
  - 1 robust, impact-resistant plastic case for machine and accessories
  - 1 new POLY-PTX® tightening screw
  - 1 fleece wheel
  - 1 expansion roller
  - 1 zirconium sleeve
  - 1 SC fleece sleeve

**Please Note:** For practical accessory sets, see page 166.