

2in1-TP

Sample Preparation Machine



PRECISION SPECTROMETERS

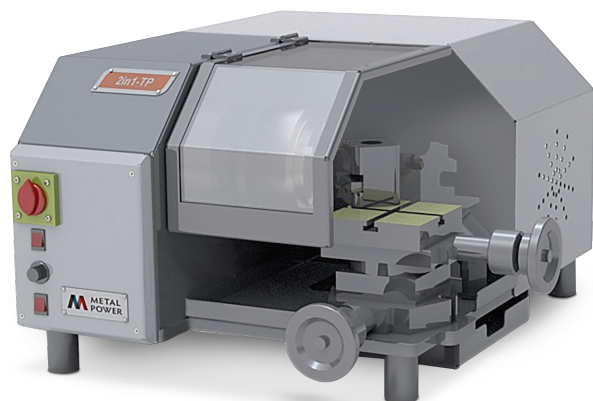
2in1-TP Sample Preparation Machine

Ensure the highest quality of sample surface preparation for spectrometer samples of all your non-ferrous metals and alloys

Turning Station

Electrode Pointing Station

Available with AFVS* option!



Spectrometer sample preparation is a key step towards ensuring good analytical results. However good the spectrometer, poor sample surface preparation can cause significant performance drops in analysis. With MetalPower's 2in1-TP Sample Preparation Machine, at last, exceptionally high quality sample surface preparation for your non-ferrous metal and alloy samples for spectrometric analysis can be achieved within your own lab and under your own control, with no compromise on quality, no requirement for any external parties and no anxiety of needlessly losing precious reference material. Imagine the savings!

Aesthetically designed specifically with OES applications in mind, the 2in1-TP has been specially designed by Metal Power to prepare the completely flat and analysis-ready sample surfaces, ensuring quality good enough for analysis of even gaseous and deep UV elements at low levels (including Oxygen, Hydrogen, Nitrogen, Sulphur, Phosphorus etc.) which are particularly important, critical and typically considered "difficult to analyse" in all manner of applications.

Equipped with a high-quality turning station, it is designed specially to be optimal for soft metals (non-ferrous). It also features an electrode pointing station, ensuring that OES electrodes can be sharpened very precisely, to the correct angle reducing consumables cost too.

A first-of-its-kind tool, the 2in1-TP has been specifically designed and manufactured by practising spectrometrists to make life simpler and better for spectrometer users.

Salient Features

- Automated grit removal and blower
- Automated turning for samples
- Optimized for polishing electrodes to the precise specifications needed
- Lamp to observe turning
- Low noise and vibration
- Low capital and maintenance costs
- *Auto feed, variable speed (AFVS) model available as optional

Technical Specifications

- Power: 1 HP
- Input: 230V AC, 50 Hz
- Polishing Speed: 1,440 RPM
- Chuck: 5"
- Chuck Capacity: 5-100 mm
- Disc size: 11" polishing discs
- Electrode angle: 60° or 90°

Lifetime-free service when procured with a Metal Power OES*

Founded in 1987, Metal Power provides a comprehensive range of products, applications and services to meet the analytical needs of metal industries. Our product portfolio spans Laboratory Optical / Atomic Emission Spectrometers (OES / AES), Mobile Spectrometers, Hydrogen analysers for molten Aluminium, Certified Reference Materials (CRM), Sample Preparation Machines for spectrometers as well as a wide range of accessories.

Apart from the product range, Metal Power through its Laboratory Division also offers services in Material Analyses and Proficiency Testing for other laboratories. Today the Company boasts over 30 years of experience serving the needs of ferrous and non-ferrous metals industries and has a truly global presence, spread across more than 35 countries in 5 continents.

True pioneers in the field of CMOS/CCD-based Optical Emission Spectrometers, our product philosophy is driven by the focus on offering a tailored model to meet every customer need – both analytical and financial. As an outcome, we offer the world's widest range of spectrometers – with each offering positioned to be the best-in-class in terms of features as well as on economic value.

Our stationary spectrometer range spans from the high-end R&D-grade **Metavision-10008X**, that delivers virtually every feature known in spectrometry, through the rugged, Laboratory-grade **Metavision-1008i³** and **Metavision-1008i**, to the entry-level **MOSS**.

The common denominator across all our offerings – products, applications and services – remains our commitment to deliver the highest level of quality, reliability and uptime, while also offering the lowest cost over the product lifecycle, through low acquisition costs backed by the highest quality of service and after-sales support to our customers – wherever they may be.



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