

# 2in1-TP



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 Metal Power'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 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\***

For more details & technical information write to us on [sales@metalpower.net](mailto:sales@metalpower.net)

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\*No separate AMC; coverage provided at no additional charge under OES AMCs