

# 3in1



PRECISION SPECTROMETERS

## 3in1 Sample Preparation Machine

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

**Grinding/Polishing**

**Turning (for soft samples)**

**Electrode Pointing**

**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 3in1 Sample Preparation Machine, at last, exceptionally high quality sample surface preparation for your spectrometer samples 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!

The 3in1 Sample Surface Preparation Machine has been specially designed by Metal Power to prepare the best sample surfaces, ensuring quality good enough for analysis of even gaseous and deep UV elements at low levels (including Oxygen, Hydrogen, Nitrogen, Carbon, Sulphur, Phosphorus etc

Equipped with a grinding station (for hard samples) and also turning station (for softer materials), it is a single solution for all types of samples. It also features an electrode pointing feature also ensures electrodes can be sharpened very precisely, to the correct angle reducing consumables cost too.

Aesthetically and ergonomically designed by practising spectrometrists the 3in1 is rugged, robust and reliable. It is designed to ensure it keeps the Lab environment totally clean and keeps noise and vibration levels to the minimum while making 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 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
- Suction Motor: 2,880 RPM
- Chuck: 5"
- Chuck Capacity: 5-100 mm
- Disc size: 11" polishing discs
- Electrode angle: 60° or 90°

\*Specifications subject to change in line with product upgrades

**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