

# Workstation

# ANALYSIS OF THERMAL DESORPTION PRODUCTS **BY UHV TPD/TDS**



### Applications

- Photovoltaics
- Hydrogen in metals
- Semiconductors

### **Key Features**

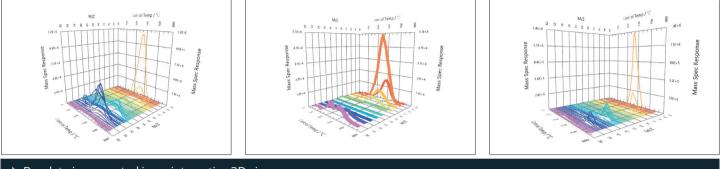
- ▶ 1000°C sample stage with PID control
- Mass Spectrometer with Digital Pulse Ion Counting Detector
- Multiport UHV chamber
- Water cooled heater shroud for minimum outgassing and fast cool
- Linear sample transfer mechanism and loadlock, including gate valve and
- > Z-drive for optimum sample/detector
- Mass filter shroud to maximise background species
- TPDsoft experimental control and
- Bakeout Jacket (200°C max)

Mass spectrometer available separately with optional PID controllers/power supplies for integration into existing vacuum systems

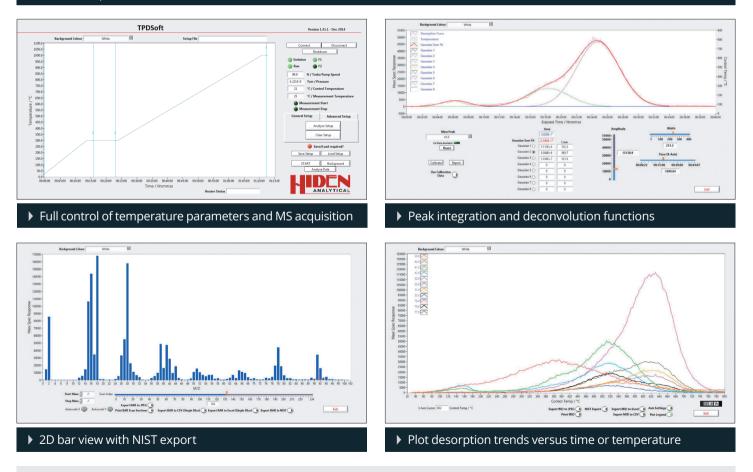
www.HidenAnalytical.com **E** info@hiden.co.uk

## Hiden TPDsoft Thermal Analysis Software

- > Automatic sample temperature and analyser control
- Real-time 3D bar view for easy identification of unknown desorption products
- Display desorption data versus time or temperature
- > TPD analysis routines for peak integration and deconvolution
- Built-in mass spectral library
- NIST export function for identification of desorption species



> Bar data is presented in an interactive 3D view



- Windows 7/8/10 compatible with Ethernet, USB and serial connections
- System Dimensions: 1590 mm wide x 725 mm deep x 1610 mm high
- Power Requirements: 110/220/240 V, 50/60 Hz