

# GC-MS 3068

Gas Chromatograph – Mass Spectrometer 3068



- High performance, high reliability
- Low cost for customers of all types
- Holding multiple patents

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GCMS 3068 -- High performance-to-price ratio !



## Introduction:

ATL'S new generation Gas Chromatograph – Mass Spectrometer (GC-MS) system offers high performance, high reliability, and low cost for customers of all types. Holding multiple patents, ATL manufactures high quality GC-MS 3068 which is widely used in industrial inspection, food safety, environmental protection, etc.

## Hardware

- Electronic pressure/flow control system (EPC/EFC) on GC 3068 improves baseline stability and sensitivity
- Patented EI filaments provide high efficiency of electron emission
- Pre-quad removes undesirable contamination before the main analytical quadrupole and decreases cleaning frequency
- High quality vacuum system combined with high energy dynode (HED) electron multiplier (EM) offer magnificent sensitivity
- Self-protector safeguards the system against the situations, which would normally damage expensive components and require significant repair
- Advanced digital compensation technology on Radio Frequency (RF) power supply guarantees satisfactory sensitivity and resolution over full mass range

Analchrom is the workstation software for GC-MS 3068. It features a user-friendly interface to simultaneously control autosampler, chromatograph and mass spectrometer. Using high-speed net card, Analchrom makes rapid data collection and transfer feasible, supporting SIM/Scan mode, Auto/Manual Tune, TIC/XIC, etc.

In INDIA, ATL has been the only authorized distributor of NIST database (including retention time, molecular weight, formula, structure, etc), which is the most popular for mass spectral search and examination of unknowns and target compounds in qualitative and quantitative analysis.

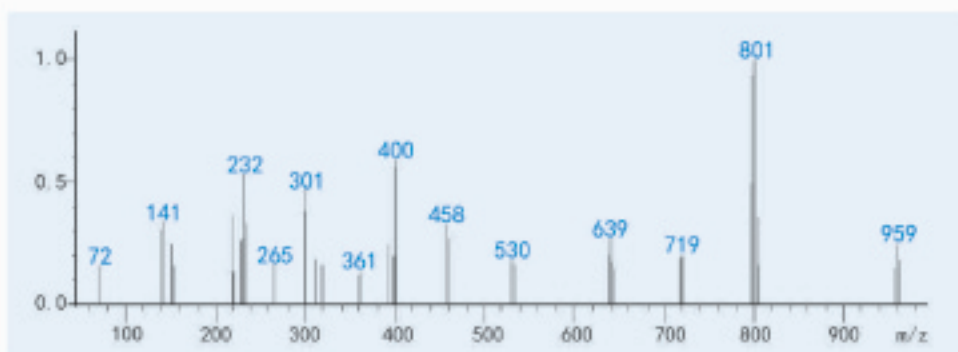


### Application:

- Industrial inspection
- Food safety and hygiene
- Environmental protection
- Pharmaceutical development
- Criminal investigation/ Forensics

### Example:

Poly Brominated Biphenyls (PBBs)/Poly Brominated Diphenyl Ethers (PBDEs)



Mass spectrum of deca polybrominated biphenyl ethers

Dimension : 915mm X 550mm X 610mm

Weight : 180 kg