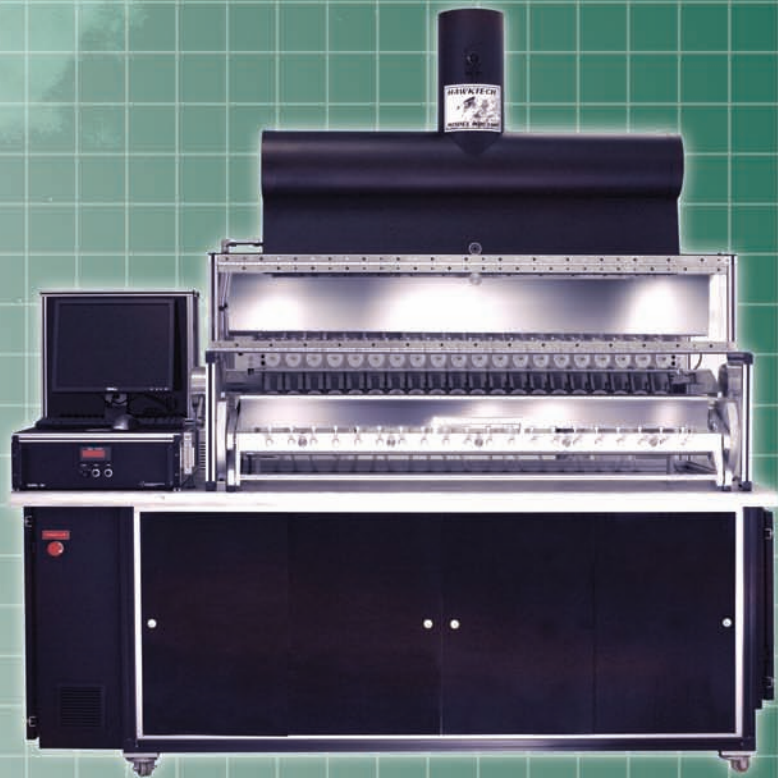


HAWKTECH SMOKING MACHINES



MBC 2000

Tri  City Machine Works

HAWKTECH MODEL MBC 2000

Twenty Port Linear Mainstream Smoke Test Machine


SPECIFICATIONS:

- Smoke 20 cigarettes at one time; however they will be separated into 4 banks of 5.
- Each bank will have independent controls for Puff Volume (10 to 150ml), Puff Duration (1.0 to 10.0sec.), Cycle Time (4 second minimum.).
- Independent controls for Clearing Puffs after each cigarette and after each run.
- An adjustable, roll out or motorized cigarette holder bar.
- An adjustable lighter bar to accommodate different cigarette lengths using industry-standard resistive type elements.
- Ability to smoke cigarettes 60mm to 120mm in Length, 14.1mm to 28.3mm in Circumference, and have a Butt Length of 23mm to 55mm.
- Mirrored laminar air-flow ash pan.
- Mirrored Rear Flap controls air flow and allows the operator to easily view the lighter to cigarette adjustment.
- All metal construction with a large Plexiglas and Extruded Aluminum Enclosure deep enough to stack 2 Alternative Traps in tandem behind each port.
- Exhaust hood is rated for FTC and ISO air flows.
- Sliding Rear Enclosure Doors.
- Sliding Front and Rear Access Panels.
- Change between smoking regiments instantly on screen.
No "changeover downtime."
- Twenty 200ml, coated glass syringes alleviates the need for silicone lubricant.
- Graphical representation of test in progress with real-time display of test variables.
- Multiple Puff Profiles to include the standard Parabolic, Trapezoidal, Square, and more.
- CO analyzing capability using California Analytical or Rosemount analyzer.
- 1 Port at a Time CO analyzing.
- Smoke to Puff Count Software with a resolution to one tenth of a puff.
- Manual Mode allows for setup, calibrations, and troubleshooting.
- Onboard Historical Data Collection.
- Will fully integrate with Laboratory Information Management System.



Optional Software:

- HTS Smoking – This machine can be programmed to run the profiles recorded by the SODIM SPA, which are unique smoke topography recording instruments.
- MTO Smoking – This option allows the user to pre-program up to 15 puffs. Each puff can have a different Puff Duration, Puff Volume, and Cycle Time. Each puff can also take advantage of an Alternative Puff Profile (seven profiles are currently available).

**Tri City Machine Works**
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