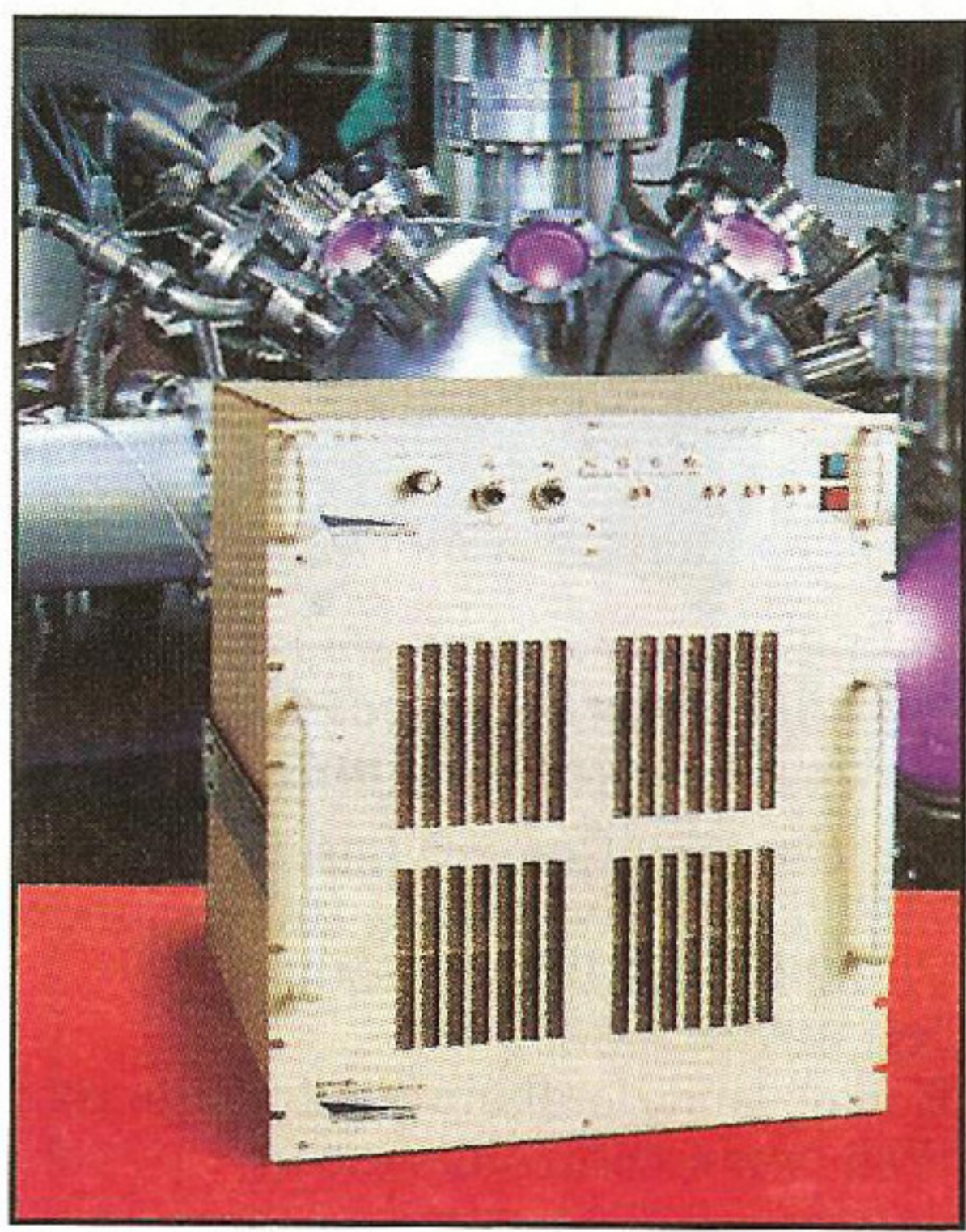


Diversified Technologies: High-Voltage Pulse Modulator

Bedford, MA — Diversified Technologies has introduced a compact, high-voltage pulse modulator for applications that include generating vacuum and atmospheric plasmas, semiconductor production, surface sterilization, R&D, and materials modification.



PowerMod pulse modulator.

PowerMod™ high-voltage pulse modulators are solid-state, provide high repeatability, low droop, can be configured for a wide range of current and voltage requirements, and deliver up to 99 percent efficiency.

With fully-adjustable pulse widths from 1 to 100 microseconds and up to 30 kHz nominal pulse frequency, depending on the power level, they yield rise times as low as 15 nanoseconds.

The pulse modulators offer full internal protection against over-voltage and over-current. PowerMod's voltage and other settings are easily changed to provide up to 30 kV of peak pulse and currents from 10 to 200A. They are air-insulated and water-cooled, operate on 110 VAC and are mountable on standard racks.

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