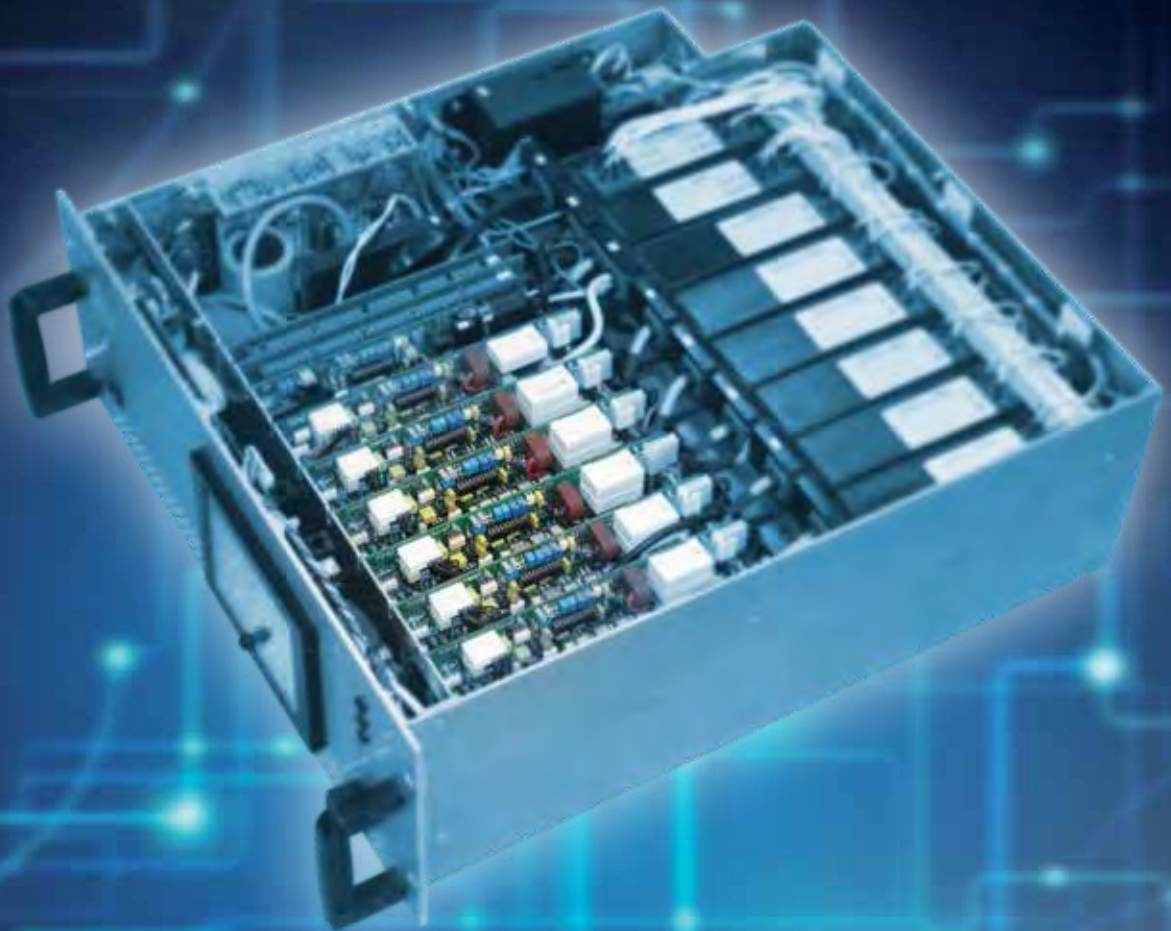




Eurofeedback
HIGH VOLTAGE ELECTRONIC

Industrial Devices



• SPACE • AERONAUTICS • MILITARY • MEDICAL • NUCLEAR •

Design and manufacture of high voltage power supplies

EUROFEEDBACK meets the specifications of power supplies, chargers and test benches. Its goal is to design and manufacture high voltage devices.

Since 1989, Eurofeedback has its own team of technical engineering staff specialized in analog / digital electronics and mechanics.

Eurofeedback has filed and validated more than twenty patents in many fields such as decontamination, polymerization, phototherapy...

Some examples of achievements:



Floating power supply

- ✓ Voltage 10V – Current 3A
- ✓ Floating up to 20 kV



Microwave power supply

- ✓ Anode voltage 4kV – 0.8Amp
- ✓ Filament voltage 10V – 20Amp

Devices for ink drying

- ✓ 4.5kJ/s – 2300V



Capacitor chargers

- ✓ 125J/s – 4kV
- ✓ 80J/s – 1kV

High Voltage Capacitor chargers

Developed in recent years, the **ACRX series** offers solutions to charge high voltage capacitors from 10kV up to 50kV for power from 6kJ/s up to 15kJ/s. According to needs, options are available in the catalog:

- ✓ Front panel can be instrumented or not
- ✓ Various solutions to communicate: analog, RS232, Ethernet or optical links
- ✓ The current regulation is available (optional).

This range of chargers meets all requirements in terms of use, performance and reliability. We also provide solutions in response to specific requests.



Visit our website for a list of our distributors.

Devices for the space industry

Eurofeedback has developed a range of special equipment for the space industry. These high voltage devices have been designed in accordance with customer specific demand. We bring our know-how to customers in order to help them to define their specific and technical needs.

Power supplies for Traveling Wave Tubes (TWT)

The power supplies AD6/600 and AR5/600 composed of:

- ✓ Helix source adjustable from 3kV up to 10kV (50W)
- ✓ 5 collectors sources adjustable from 200V up to 3kV (500W)
- ✓ Wehnelt source adjustable from 1 to 30V
- ✓ Filament source adjustable from 1V to 8V (1A)
- ✓ Anode0 source adjustable from 500V to 9kV
- ✓ Ability to add a drawer modulator Anode0 or drawer modulator Wehnelt



AR5/600



AD6/600

Dynamic load

This device simulates the Travelling wave tube:

- ✓ 5 dynamic loads (3kV/250mA)
- ✓ 1 filament load (10W/10V)
- ✓ 1 Helix load (10kV/125W)

Each dynamic load is able to sink the current encoded by the user. The dynamic load can be controlled from the front panel with knobs or back with analog settings.



CDY-600

Housing measures

This device measures 21 values:

- ✓ Helix voltage and current
- ✓ C1 to C5 voltages and currents
- ✓ Anode0/Anode1 voltages and currents
- ✓ Voltages and current
- ✓ Wehnelt/filament voltages and currents
- ✓ Cathode current



BM4-21-10 kV

Except Helix/Anode1/cathode measurements, all the others are floating measurements. The values can read on the front panel or can be downloaded in using Ethernet port or GPIB bus.

Industrial pulsed light systems



Pulsed light systems have been developed for project applications in decontamination or polymerization.

The principle is to provide UVA, UVB and UVC rays with high energy.

Firstly, the electrical energy is stored in capacitors. Then, it is discharged through xenon lamps. The light energy supplied by lamps is characterized by a continuous spectrum of wavelengths from 180nm to 900nm.



In pharmaceutical industries and industrial food processing, pulsed light is used to decontaminate materials, liquids or products.

In some applications, this technology avoids the use of a chemical process.

In the industrial world, this technology is used for the polymerization of all types of products sensitive to UV (inks, paints, varnishes ...).

These devices enable work with high frequency of use (up to 40 Hz) and high light energy.

Design and manufacture of phototherapy devices



In addition to these industrial activities, Eurofeedback manufactures beauty and medical equipment marketed under the EFB beauté® brand.



efbbeaute.com

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