RadioAstroLab

Ultrasound specialists

ULTRASONIC ELECTRONIC GENERATORS FOR VIBRATING SCREENS

Ultrasonic vibrating screen

TRITON generator driving the ultrasonic vibrator

Series

TRITON

Piezoelectric transducer that transmits high frequency vibrations (20 kHz – 60 kHz) to the sieve mesh. The ultrasonic power in the vibrating screens is generated by one or more piezoelectric transducers which, powered by our TRITON generator, are converted into mechanical vibrational energy. The power and working frequency are chosen based on the specific operational needs.

We specialize in the production of electronic generators for driving ultrasonic piezoelectric transducers for the most varied applications in the industrial sector.

The TRITON generator series has been developed to power transducers inserted in high frequency vibrating screens (from 20 kHz up to 60 kHz) for the food and chemical industries.

A sophisticated electronic control system with a microprocessor controls the operation of the machine: precision, reliability and robustness. A display will visualize and operate parameters in real time

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We characterize in the laboratory and verify the functioning of any piezoelectric transducer used in ultrasonic screening applications: once the characteristics of the transducer are known, we propose the TRITON generator most suitable for its correct functioning.

Do not hesitate to contact us to satisfy your needs!

TRITON is:

- a complete range of models suitable for driving one or more piezoelectric transducers for high-frequency vibrating screens.
- Generators controllable manually, remotely via serial communication (RS485 or Ethernet), remotely via 0-10 V analog commands.
- Backlit LCD display for viewing the status and operating parameters, keyboard for local controls.
- Wide range of functional and aesthetic customization options.

Our robust and sophisticated electronic generators are equipped with microprocessors dedicated to the control of piezoelectric transducers, the management of operational functions, the programming of parameters and accessory functions. TRITON products can be controlled manually, remotely via serial commands or digital and/or analog commands via PLC.

We produce ultrasonic generators of any power operating in the frequency range from 20 kHz to 60 kHz, customizable to meet any reasonable need, implementing particular functions oriented to specific applications: contact our Technical Office for information and further information on the possibilities offered by TRITON generators.

THE ULTRASOUND LABORATORY

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