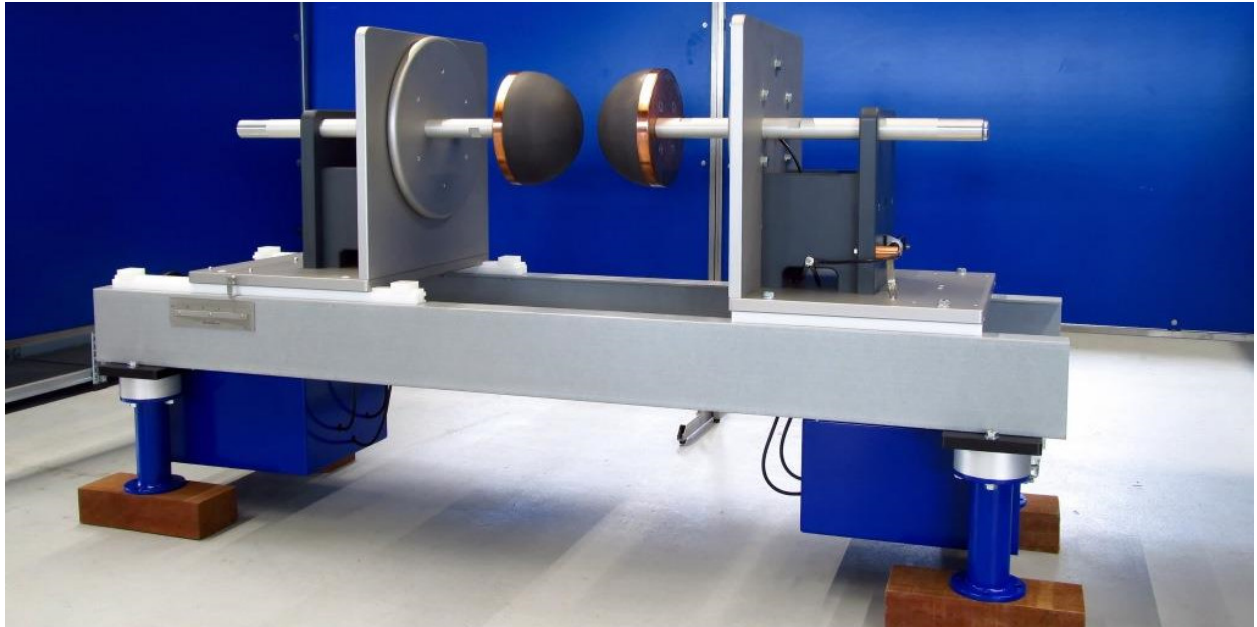


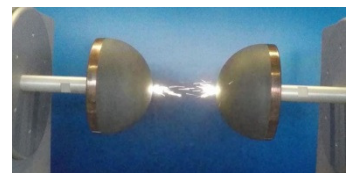
MTSA Technopower Re-Ignition Spark Gap 1606



In short-circuit laboratories high power equipment is tested and exposed to a high current when the contacts are closed and a high voltage when the contacts are opened. In the so-called "Synthetic circuit" the high current and the high voltage come from different circuits. This greatly increases the testing power of a High Power Lab.

With synthetic tests for contact opening there is a requirement for using Multi Loop devices for obtaining the correct arcing time length of the high power switch. These Multi Loop devices typically consist of a charged capacitor, a fast switch and pulse shaping components. The fast switch also has to recover very fast to withstand the voltages in the circuit.

The MTSA Re-Ignition Spark Gap 1606 is a fast switching and fast recovering system for injection of a capacitor charge during a synthetic test. The MTSA Re-Ignition Spark Gap 1606 consists of 2 half spheres, each triggered by a high energy gap firing unit. The Re-Ignition Spark Gap 1606 is controlled by a MTSA Technopower Injection Timer.



Main specifications:

Air gap	Two half spheres, variable gap 5 - 25 cm
Dielectric stability (U _{max})	250 kV ± 15 kV, depending on weather conditions
Current (I _{max})	80 kA _{peak} /5 ms
Maximum Charge transfer	200 Coulomb
Response time	less than 5 microsecond
Maximum dimensions	2700 x 1600 x 1185 mm (L*W*H)
Weight	~845 kg

MTSA Technopower B.V.
Westervoortsedijk 67
6827 AT Arnhem
The Netherlands

For more information, please contact MTSA Technopower.

Telephone : +31 (0)26 3636310
Telefax : +31 (0)26 3646717
E-mail : info@mtsa.nl
Internet : www.mtsa.nl

DESIGN ENGINEERING PROTOTYPING MANUFACTURING SERVICE

© 2020 MTSA Technopower B.V.

Date : 29-05-2020
Page : 1 of 1