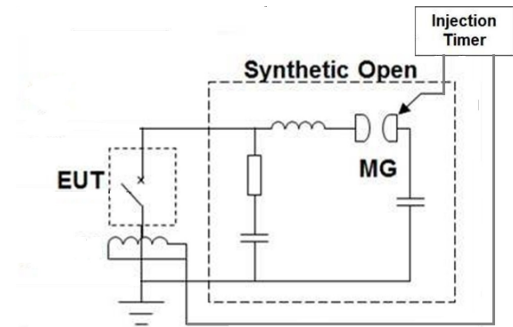
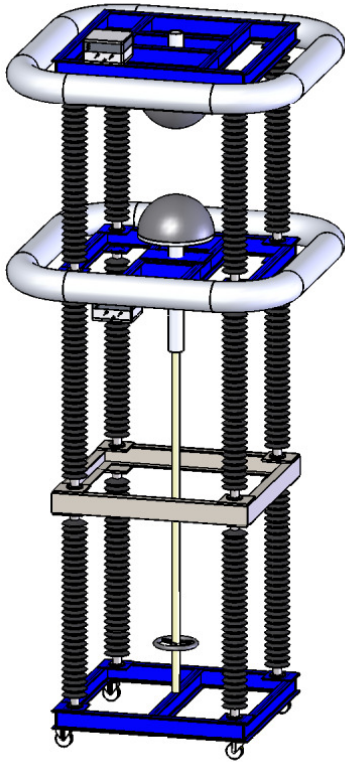


MTSA Technopower Main Gap 1588



In short-circuit laboratories high power equipment (EUT) 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 a ‘synthetic open’ test there is a requirement for applying the high voltage around the current zero point using a very fast switching device, the so-called Main Gap.

The MTSA Main Gap 1588 consists of 2 half spheres, each triggered by a high energy gap firing unit. The Main Gap 1588 is controlled by an MTSA Technopower Injection Timer which uses a current measurement with a special Rogowski coil.

Main specifications:

Air gap	Two half spheres, variable gap 10 – 80 cm
Rated DC voltage:	up to 800 kV*
Peak current:	40k A, damped, frequency 50 Hz to 3000 Hz
Response time:	<50µs
Standard deviation:	±5µs

*) For higher voltages, a system with multiple gaps in series can be applied.

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

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