

- The rail spark gap, Model # MK-81 is shown in Figure 1.
- Operating voltage range is set at the company premises for one of the following: 25-40 kV, 40-80 kV and 60-100 kV for current up to 400 kA.
- When the operating voltage range is known, the gap separation is set and the gas mixture is recommended to achieve the low (<20 nH) inductance of the switch and low electrode erosion rates.
- The certificate of calibration will follow the purchase of the device i.e., the threshold voltage versus the pressure mixture, internal gas specification, etc.
- The rail spark gap, Model # MK-81 is backed with a full one year warranty.

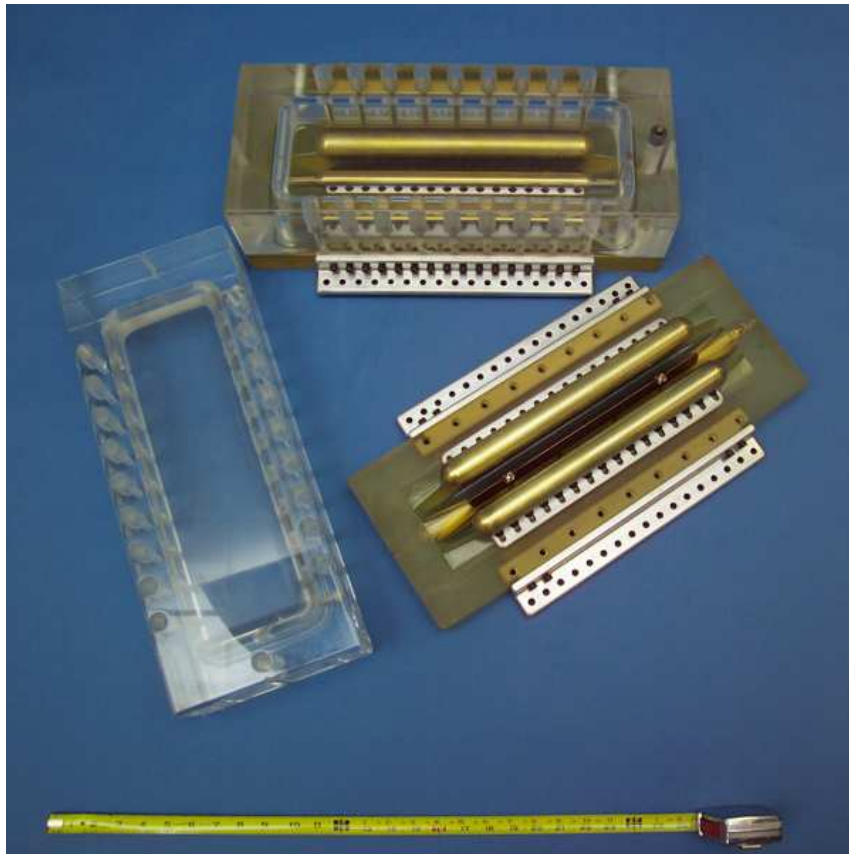


Figure 1. Top: Completed assembly of the rail spark gap.
Bottom: Partially completed assembly; left: the cover of the rail spark gap,
right: the base with the electrodes

Dr. M. M. Kekez

HEFTI – High-Energy Frequency Tesla Inc.
1200 Montreal Road, Building M-51, Ottawa, Ontario, Canada, K1A 0R6
Tel.: 613-993-0427 / Fax: 613-941-6982 / E-mail: mkekez@magma.ca