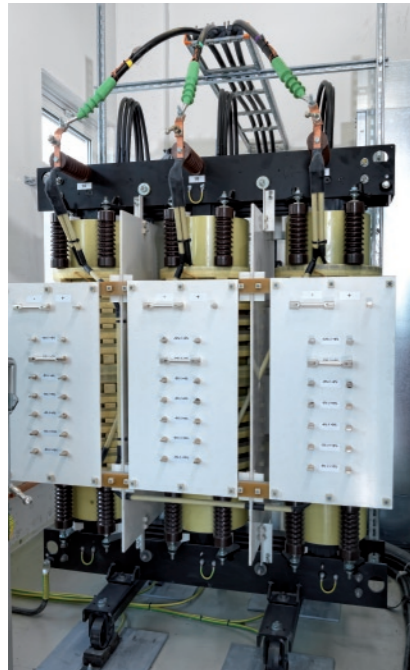




# CTI-VIENNA - TEST CAPABILITIES

## POWER SUPPLIES



### MAINS TRANSFORMERS

- 2x250 kVA, Dyn5, from 20V up to 760V
- 400kVA, Dyn5yn5, from 80V up to 1250V
- Various step-up and step-down transformers from 5V to 1200V
- Variacs up to 800V
- Various constant voltage supplies up to 450V 3-phase
- Various constant current supplies up 1200 A
- DC up to 1600V and 300 A (6-pulse and 12-pulse bridge rectifiers)

## IMPULSE GENERATORS



- |                   |  |
|-------------------|--|
| IMPULSE VOLTAGE   | 1,2/50 $\mu$ s, 24 kV  |
| HYBRID GENERATORS | 1,2/50 $\mu$ s - 8/20 $\mu$ s, up to 12 kV - 500 A (24 $\Omega$ )  |
|                   | 1,2/50 $\mu$ s - 8/20 $\mu$ s, up to 24 kV - 12 kA (2 $\Omega$ )   |
|                   | 10/700 $\mu$ s - 5/320 $\mu$ s, up to 7 kV - 175 A (40 $\Omega$ )  |
|                   | 10/700 $\mu$ s - 10/700 $\mu$ s, up to 7 kV - 175 A (40 $\Omega$ ) |
|                   | 0,5 $\mu$ s / 100 kHz ringwave, up to 6 kV - 500 A (12 $\Omega$ )  |
| IMPULSE CURRENT   | 0,5 $\mu$ s / 100 kHz ringwave, up to 10 kV - 500 A (20 $\Omega$ ) |
|                   | 0,5 $\mu$ s / 100 kHz ringwave, up to 6 kV - 200 A (30 $\Omega$ )  |
|                   | 8/20 $\mu$ s, up to 150 kA   |
|                   | 10/250 $\mu$ s, up to 55 kA  |
|                   | 10/350 $\mu$ s, up to 55 kA  |

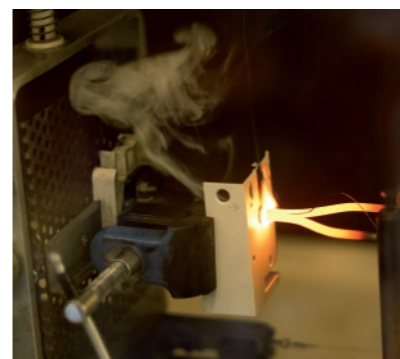
Other waveforms upon request



- ### DIELECTRIC TESTS
- up to 7 kV AC / 200 mA trip
  - up to 12 kV AC
  - up to 24 kV DC

### ENVIRONMENTAL TESTS

- Heating cabinet max. +70°C / 2,8 x 2,8 x 2,4 m (LxWxH)
- Humidity cabinet +20°C up to +30°C / up to 97 % rH / 2,7 x 2,4 x 2,7 m
- Climatic chambers -40°C up to +180°C / 10 - 98 % rH / 80 x 52 x 66 m
- Heating/cooling chamber -40°C up to + 100°C / 58 x 52 x 78 cm
- Heating chambers up to 300°C / 32 x 55 x 50 cm
- Cooling chamber down to -25°C / 50 x 50 x 40 cm
- IP-test chamber up to IPx4 / 2,7 x 2,4 x 2,7 m



### MATERIAL TESTS

- Glow wire test max. 980°C
- Ball pressure test up to 300°C
- Tracking index test max. 600V
- Various impact tests (upon request)



### SWITCHING and ENDURANCE TESTS

- TEMPERATURE RISE TESTS
- TEMPORARY OVERVOLTAGE TESTS
- SHORT CIRCUIT TESTS up to our transformer and power supply limits, AC and DC, details upon request
- SHORT CIRCUIT TESTS above our own supply limits
  - up to 15 kA are performed by CTI-staff in an external rented laboratory
  - above 15 kA are subcontracted to external accredited laboratories, details upon request

For further details on our test services and corresponding product range please refer to the CTI-Folder Testing/Consulting/Documentation/Research or contact us.  
 For further details on our scope of accreditation and scopes of recognitions please contact us .



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