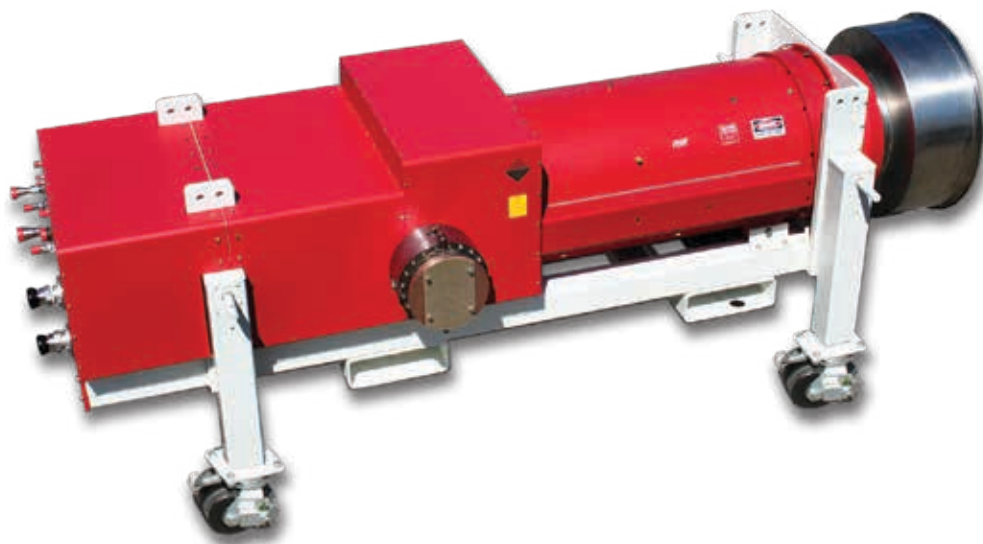


## Communications & Power Industries Klystron



CPI Microwave Power Products (MPP) offers klystrons for particle accelerator applications. The VKL-8301B is a 1300MHz, 10 MW peak, 150kW average, long-pulse Multiple Beam Klystron (MBK) developed for the European X-FEL and International Linear Collider (ILC) projects.

### Typical Operating Parameters

Frequency	1300 MHz
Peak O/P power	10 MW
Beam voltage	118 V
Beam current	130 A
Saturated gain	50 dB
Efficiency	67.8%
Duty	1.5%

### FEATURES:

- High O/P power and efficiency at lower operating voltage.
- Beam separation and cathode size tailored for long cathode life ( $\geq 100,000$  hours expected).
- 6 beam, cathode pulsed electron gun
- Dual WR-650 waveguide outputs
- Integrated X-ray shielding

### BENEFITS:

- High reliability & efficiency
- Proven long life designs
- Customizable models for your application

### APPLICATIONS:

- Particle accelerator