

Who is R&K?

R&K Laboratory was started by a private founder in August 1977 and began shipping RF double balanced mixers by late 1978. Our mission was to develop unique RF and Microwave products for testing devices, communication equipment, accelerators for high energy physics study, and plasma research.

R&K Laboratory became R&K Company Limited in February 1980. At this time, we began manufacturing custom products for Broadband Power Amplifiers, Nuclear Fusion PLASMA, Accelerator Phase / Level Lock Control Circuits, Very Long Baseline Interferometry, Magnetic Resonance Imaging Systems and a Direction Finding System to locate jamming Station of T.V. Broadcast signal.

Moreover, R&K started research and development of NMR Systems for liquid application, which was used to measure the very small polarity differential of the hydrogen nucleus. R&K is finally engaged on a study of the field of MRI Imaging Systems for medical applications.

In 1996, R&K began shipping Power Amplifiers for PHS Base Stations in response to the fast-growing wireless communications market in Asia. To date, the company has shipped more than 2,110,000 Power Amplifiers for PHS Base Stations.

The eight-story main factory was completed in January 2002, with an additional Ten-story second factory constructed alongside in August 2004. R&K has a quality management system that operates in accordance with ISO 9001: 2000, which was certified by RCJ-QA in February 2007.

R&K currently manufactures small RF Components, Connectorized Components, Broadband Power Amplifier products and Analog Phase Shifters. It also manufactures a variety of custom products for frequencies ranging from 10 kHz to 15 GHz, at power levels from 1 mW to 10 kW.

A special feature product includes all Solid-State RF High Power Amplifiers of few kW to 100kW output power by adopting "Radial Combiner" technology which makes it possible to combine odd or prime number outputs at an extremely low loss. The max/min frequency bandwidth ratio is currently maximum 10 times. A built in Multi Monitoring System enables all the current, voltage, temperature, forward power and reflection power to be monitored and recorded at all times.

All parameters of the past operation may be recorded and stored in an SD card for over 10 years.

R&K continues to develop new products using the latest technology with the aim of shaping the future development of wireless communication and the RF and Microwave industries.