



Your reliable partner for Gigahertz Innovation in the field of systems and components for exceptional ground station antennas. Our solutions are key factors for the success of global communication systems and interplanetary space missions.

What we do:

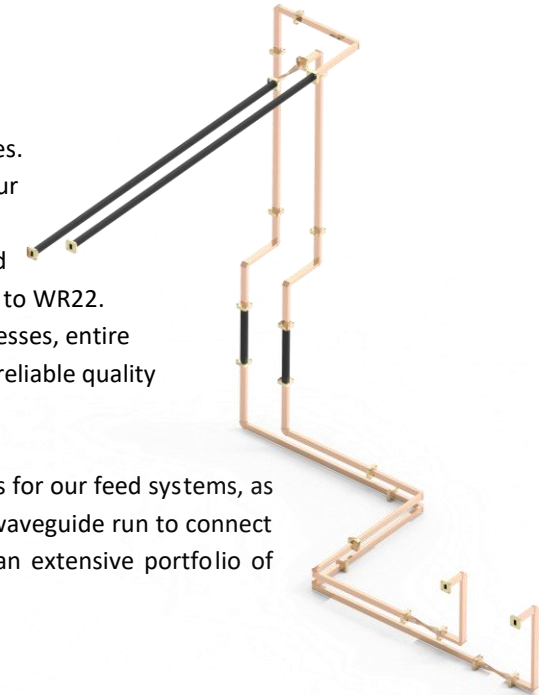
- System design from 1GHz up to 70GHz
- Single- and multiband feed systems
- Antenna design and performance simulation
- Switching & combining systems
- Standard waveguide components

MIRAD microwave AG  
Hofstetstrasse 6  
9300 Wittenbach  
Switzerland

info@mirad.ch  
+41 71 352 50 80  
[www.mirad.ch](http://www.mirad.ch)  
in follow us on LinkedIn

## Waveguides and Accessories

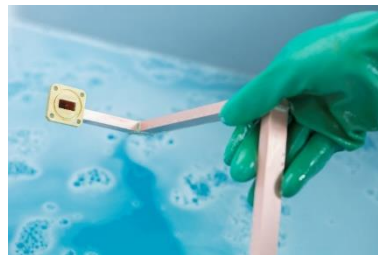
One of MIRAD's core competencies is the production, manufacturing, tuning and testing of waveguide assemblies. Since the early 90's we have been designing and producing customized rigid waveguide runs or assemblies for our clients. Thanks to our excellent infrastructure combined with our highly skilled team, we are able to offer very short and flexible delivery times for the production of our high-quality waveguides. MIRAD is optimally equipped for the efficient and very fast production of individual brazed waveguide structures in various sizes from WR137 to WR22. Due to the close cooperation between engineering, construction and production and thanks to our flexible processes, entire waveguide series can be offered and manufactured according to your hand sketches. We provide excellent and reliable quality combined with the shortest delivery times on the commercial market.



Our inhouse manufactured waveguides are also integrated into our systems, such as redundancy switching units for our feed systems, as a connection between our coupler-filter-combiners in our switching and combining systems, or as a complete waveguide run to connect your HPA to our feed system in your antenna. Depending on your requirements and needs, we also offer an extensive portfolio of waveguide accessories, such as

- Couplers for signal injection or signal sampling
- Rotary joints
- Terminations, high or low power loads
- Receive reject or harmonic reject filter
- Air-inlets
- Pressure windows and gaskets

Our service and know-how is already available to you in the early planning phase. We create circuit diagrams, take over system consulting and optimization or carry out the construction work for you. Of course, you can also contact us with a production-ready drawing and receive your customized solution according to the world-renowned Swiss precision standard.



**MIRAD microwave**

Your reliable partner for Gigahertz Innovation