

PARAMED Ltd. (Genoa, Italy - <http://www.paramed.it/eng/>), established in 1998, offers innovative hi-tech products and solutions in Medical Imaging. PARAMED is now well known for the extremity MRI scanner named MRJ, a C-shaped 0.22T unit extremely appreciated for the superior image quality, gantry width and patient comfort.

Now PARAMED introduces MR-Open, the first MRI system based on a wide-open U-shaped MgB₂ cryogen-free supercon magnet for general purpose. MR-Open is the result of a twenty years long experience in the MRI field and a joint R&D activity with ASG Superconductors (<http://www.as-g.it/inglese.html>), a leading manufacturer of magnets for high energy physics labs, including CERN, Switzerland.

The U-shaped design allows to optimize the image quality in all anatomic regions: thanks to the transverse horizontal field, MR-Open presents the best combination between field direction and coils geometry. As the gantry is extremely wide and in particular is opened on top, it guarantees no claustrophobic rejections as well as great flexibility in the patient positioning, and it results as an appropriate solution also for obese people. Moreover, its maximal accessibility makes MR-Open suitable even for interventional procedures.

The use of a brand new technology for the supercon high temperature cryogen-free magnet allows to include in only one system the advantages of both permanent and supercon units: optimized image quality in all regions, maximum patient comfort, low costs, wide gap with limited size and weight, stable magnetic field and no vibrations.