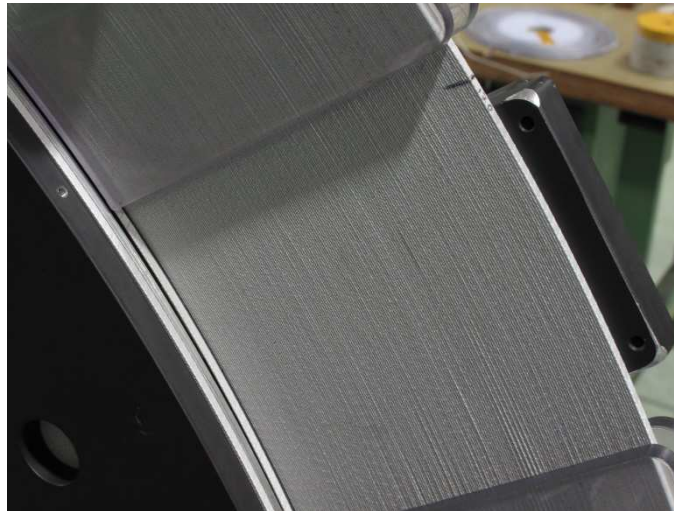


# MRO 0.5 T

In the framework of R&D activities aimed at demonstrating the feasibility of a “cryogen-free” magnet using a  $\text{MgB}_2$  conductor, produced by Columbus Superconductors, ASG has designed, manufactured and tested a 0.5 T cryogen free MRI scanner in open configuration (MROpen).



Iron yoke with vacuum chambers



For this project windings using magnesium diboride conductors ( $\text{MgB}_2$ ), operating at 20 K, have been developed.



Complete MRO system