

ITER MACHINE ASSEMBLY TOOLS



The In-Pit Assembly tool is made up of a central tower and a series of beams. This tool will support the vacuum vessel sub-assemblies (three groups of three sectors) and align them while the vacuum vessel is



Two bridge cranes will work in tandem to lift and transport loads of up to 1,500 tonnes between the Assembly Building, where components are pre-assembled, and the Tokamak Pit.

The ITER Organization has overall responsibility for the integration and assembly of components delivered to the ITER site by the seven ITER Members. In order to successfully pre-assemble and manoeuvre hundreds of large components, to very tight tolerances, a made-to-order set of 128 tools will be required.





