

WELDING OF TITANIUM

AND ITS ALLOYS

A team of experts in the field of welding of titanium and alloys on its basis has been working at PWI for more than 30 years. For the first time in the world the unique technologies of non-consumable argon-arc welding of titanium with halogenide fluxes; narrow-gap argon-arc tungsten electrode welding with controlling magnetic field; press welding of titanium with copper and aluminum with steel were developed in course of these years.

The technologies for titanium and its alloys welding developed at the PWI have found wide application in aircraft- and rocket construction as well as at enterprises of chemical machine building of CIS countries. Currently, PWI fulfills contract-based complex works on development of technology and equipment for titanium welding and engineering maintenance at manufacture of specific products.



Developed by the E.O. Paton Electric Welding Institute of the NAS of Ukraine. E-mail: office@paton.kiev.ua