

PRODUCTION OF TITANIUM ALLOY INGOTS

AT «TITAN» CENTRE

At present, industrial production of titanium alloy ingots by the method of electron beam cold-hearth melting (EBM) is organized in the facility of SE «SPC «Titan» of the E.O. Paton Electric Welding Institute of the NAS of Ukraine» with equipment providing 3000 tons total annual capacity. Company specialists continue work on creation of new titanium-based alloys, develop and manufacture locally-produced equipment and technology of ingots melting



Electron beam unit UE-5812



All-purpose electron beam unit UE-5810

based on titanium and other metals by EBM method.

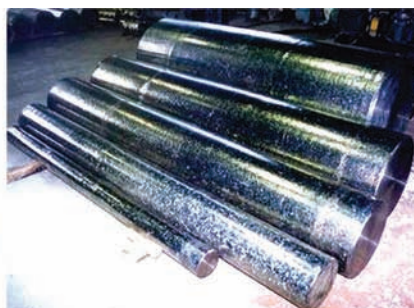
Range of products produced by SE «SPC «Titan» of the E.O. Paton Electric Welding Institute of the NAS of Ukraine» is given in the table:

Size range
Diameter, mm: 110, 150, 200, 300, 400, 500, 600, 830, 1100; of up to 4000 mm length Width of thickness, mm: 165×950, 150×530; of up to 4000 mm length
Grades*
VT1-00, VT1-0, PT1M, 3M, ET3, VT5, PT7M, PT3V, VT6, VT8, VT9, VT3-1, VT14, VT20, VT22, VT23, T110, Grade 1, Grade 2, Grade 5, Grade 9, Grade 12
*Other alloy grades can be produced by agreement with the Customer.

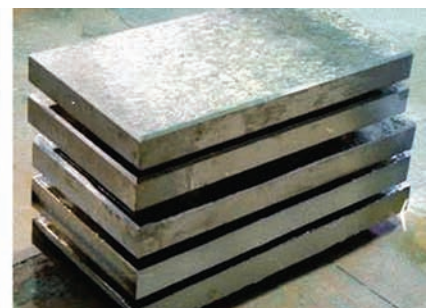
Chemical composition of the ingots meets the requirements of the local and foreign standards GOST, ASTM, AMS, etc. (ISO 9001 Quality System Certificate).



Titanium ingot of 1100 mm diameter



Titanium ingots of 100–600 mm diameter



Titanium slabs of 165×950×1500 mm

www.stc-paton.com/eng/centers/spctitan