AUTOMATED COMPLEX FOR CUTTING SPENT FUEL ASSEMBLIES FOR NUCLEAR FUEL REGENERATION PLANTS

Description
The complex provides processing of all known types of spent fuel assemblies (SFA) of nuclear reactors of nuclear power plants and nuclear-powered submarines and icebreakers.

Technical characteristics
- Maximum load of working parts: up to 1,000 t
- Hydraulic fluid pressure: 32 MPa
- Hydraulic fluid: emulsion
- Maximum cycle duration: 15 s
- Cutting element life: at least 200,000 cycles
- Maximum weight of the complex: 200 t

Automated complex for cutting SFA in the industrial building of the Institute

Technical appraisal and economic benefits
- Biological shielding of the equipment
- Remote computer control

Application areas
Nuclear power engineering.

Development stage
The complexes have been successfully used for several decades by Russian plants.

Patent situation
Basic units are protected by the know-how.

Commercial offers
Production and supply contract.
Estimated cost
To be negotiated.

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