

Educational - Science Laboratory "Electronics Design and automation of technological processes" responsible innovation development program requirements "of the National Research Tomsk Polytechnic University", created in 2011. The main purpose of the functioning of the laboratory is to train highly qualified specialists demanded by the rapidly developing labor market in the field of process automation, as well as for scientific - research work to date with the help of high-tech equipment.

Laboratory tasks:

- Training of students, bachelors and masters of modern methods of design, engineering, fabrication, installation and testing of the enlarged elements and industrial electronics and automation systems;
- Development, design, engineering, manufacture, integration and installation testing and experimental prototypes of electronics and microprocessor technology;
- Organisation of programs of additional education and professional development of engineering - technical personnel of enterprises;
- Training of students and bachelors, training and retraining of personnel in enterprises working profession "Fitter for control - Measurement and Automation";
- Development of systems, methods, algorithms and software for process automation and experimental studies.

Educational - Science Laboratory "Design of electronics and automation of technological processes" allows training of foreign specialists and students, as it is placed in the open part 16 TPU case, which removes the requirement to obtain the special tolerance during training.

Laboratory has five jobs, as part of which the high-performance personal computers, complete with input devices to perform tasks of designing and constructing devices and industrial electronics and automation systems - professional graphic tablets the TRUST, logic analyzers virtual PLA-2532 application software Altium Designer software.