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Summary

At the enterprise ATZT "Ukrveskom" I got acquainted with the automated systems of mass control of products.

Many food industries have a continuous process of process, which provides multistage processing of agricultural raw materials into food products of mass consumption (vegetable oil, sugar, alcohol, milk, cereals, flour, etc.). For the efficient organization of these productions, it is necessary to constantly monitor both the amount of raw materials consumed and the finished products obtained from it, as well as the number of intermediate products obtained at each production site.

Therefore, the creation of a complex automated mass control system at food industry enterprises that provides objective control and registration of the mass flow of raw materials, intermediates and finished products is an actual problem, the solution of which has become possible at present due to the emergence in the market of appropriate technical means for the creation of local networks and high-precision measuring tensor converters. In order to solve the aforementioned tasks, the Automated Mass Control System (ASKM) was introduced in 1998 in the Odessky MHC JSC, at the site of the drainage station of oil extraction production. The system is based on the Pentium 200 PC, microcontroller and Advantech ADAM-4000 I / O modules, Grayhill power amplifiers, strain gauge sensors and pneumatic electric valves.