

# HAFFMANS TLS

## TOTAL LAB SOLUTION

### GENERAL PRODUCT INFORMATION

In the beer and beverage industries, when a company builds a new factory, refurbishes or updates an existing one they require a complete or partial lab, including equipment, consumables and furniture. The design, procurement, delivery, and installation of the new laboratory can be done by the investing company itself or can be outsourced to a specialized company, which can act as not only a consultant, but as a partner in the new laboratory project. The Total Lab Solution (TLS) is a concept developed by Pentair Haffmans to assist companies needing to build a new laboratory in designing the lab, delivering and installing the equipment. Pentair Haffmans makes a difference by adding into this concept a training program for the operators on the delivered equipment.

Whether the customer is a small company requiring a simplified laboratory solution or a large company in need of a complete laboratory solution, Pentair Haffmans has the flexibility to satisfy the needs of both customer groups. In addition to the TLS, a Mini Lab Solution (MLS) is available for small-scale breweries providing these with all necessary laboratory basics including instruments and glassware.



### CUSTOMER BENEFITS

- **Cost savings**
  - no internal project management needed
  - first time right approach
- **Efficiency in project management**
  - one single partner for the entire project
  - outsourcing the project management responsibility

### SCOPE OF SUPPLY

- Design of the laboratory
- Determination of the laboratory requirement
- Quality control equipments
  - physical chemical lab
  - microbiological lab
- Furniture

### OPTIONS

- Construction of a new laboratory
- Refurbish of an existing brewery
- Updating the existing equipments
- Training