THE FUTURE LAB
A fully-automated Food / Feed Sample Preparation System

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Introduction

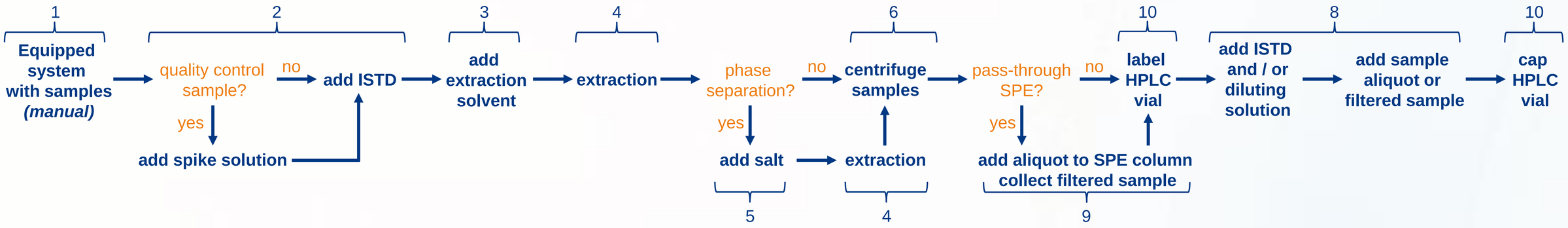
Faster, cheaper, better – main features of the laboratory of the future. To achieve these objectives, changes in all levels are necessary. One aspect is the automation of lab processes, but up to now only mostly sub-processes are automated in the lab.

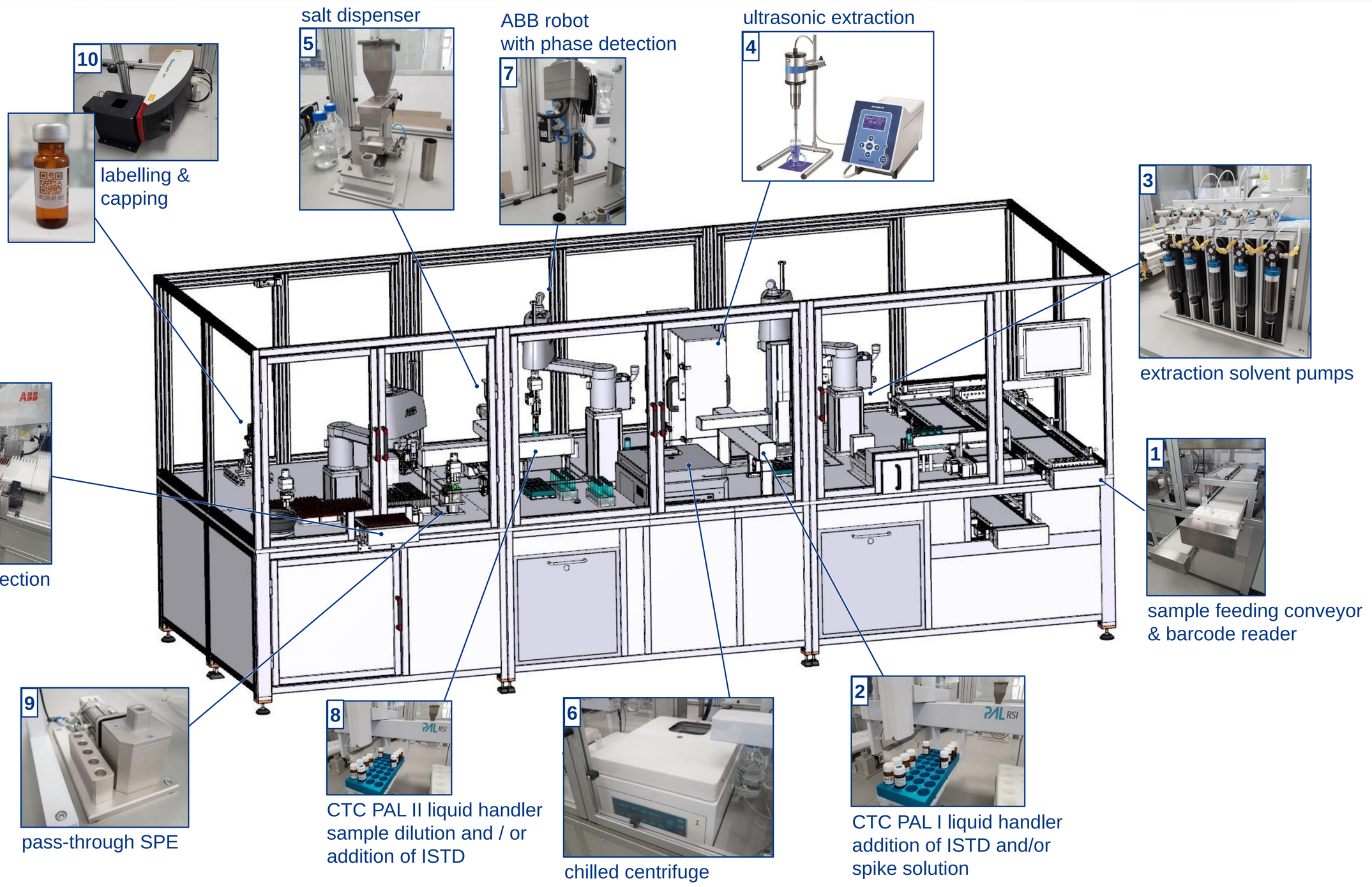
The presented poster shows the development of a fully-automated sample preparation system.



Fig. 1 *Picture of the fully-automated food / feed sample preparation system*

Fully-automated sample preparation system





details

- construction with three ABB robots
- high throughput of up to 400 samples / day
- versatile (different matrices and different methods, e.g. QuEChERS)
- processing different methods within the same time
- full-automatic: from weighed sample to the prepared HPLC vial no manual steps are necessary
- 24 h runtime

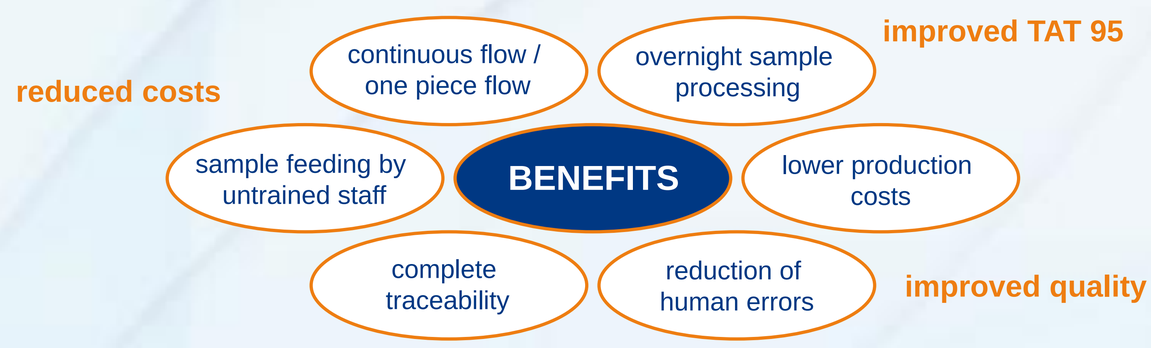


Fig. 2 *Benefits of a fully-automated food / feed sample preparation system*



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