



The pharmaceutical solution to *continuous* manufacturing



The standard in modular continuous processing for the pharmaceutical industry



High quality medication for all

Providing the best medication to each individual requires continual collaboration and innovation across various industries. However, pushing the boundaries of medicine is no easy task.

The pharmaceutical industry faces high risks and challenging deadlines in its constant pursuit of developing novel medicines and treatments.

ContiUnity® opens the doors to novel manufacturing technologies, allowing you to expand these boundaries.

For and by the pharmaceutical industry

Zeton has completed many successful projects, delivering custom solutions for pharmaceutical clients that meet their specific needs. Despite their unique nature, each project shared similar requirements. In close collaboration with major pharma companies a unique concept is developed.

ContiUnity® is a solution that prevents the duplication of efforts and reduces design time for each project. We continuously improve and expand our ContiUnity® portfolio with the input of our customers.

ContiUnity® consists of three modular extendable components



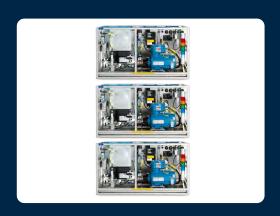
BACKBONE

The Backbone acts as a tie—in point for the Process Modules, whereby the building utilities are distributed to the individual process modules via no spill quick connections. This allows for the hot swap of modules during processing for easy offline maintenance and fast reconfiguration of your process.



BOOKCASE

The Bookcase acts as a physical support for the Process Modules. This allows for a compact setup with three levels. Due to the wheels under the bookcases, a complete section can be disconnected and wheeled away for maximum mobility or replacement with larger Process Modules.



PROCESS MODULES

Zeton has developed multiple pre—validated Process Modules ready to use for various processes. Each module is equipped with a local controller for optimum flexibility and process control and can be coupled to existing DCS systems without complex control configuration.

Standard Process Modules

A wide range of pre-validated standard modules are available. The modules were developed in collaboration with leading pharmaceutical companies resulting in modules that have proved successful in commercial production setups.

Examples are:

- Pump modules
- Flow and pressure control modules
- Plug flow reactor modules
- Mixer settler modules
- CSTR modules
- Feed switch—over modules
- Storage tank modules
- Liquid-liquid extraction column modules
- And many more



ContiUnity® is a tool that enables you to design and configure your GMP— and GAMP—compliant processes quickly and easily. The ContiUnity® modules are designed as standard building blocks with wide operating ranges. You can choose your desired combination of modules from our extensive catalogue and configure them to your unique process requirements. The flexibility of ContiUnity® covers your entire process life

cycle without the need to redesign, revalidate, or retire your equipment.

This provides value—retaining solutions while minimizing your time to market.

Each module contains its process controller, so they become true smart modules that are pre—validated on their own. This also allows module—to—module communication for better control of your process.



Scalability



Mobility



Standardization



Re-useability

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Realtime control



Reduced footprint



Digitalization



Increased safety

Project Approach



PROCESS TRANSLATION

Together with you, Zeton will translate your vision into the ContiUnity® architecture, tailored precisely to your needs.



MODULE SELECTION

Modules are selected from our library of pre—engineered units. If a custom module is required for a process, this can be designed in parallel.



ASSEMBLY & TESTING

At Zeton, we efficiently and skillfully assemble the complete system and subject it to rigorous IQ and OQ testing to ensure top quality.



PACKAGING & TRANSPORT

After successfully passing all tests, we will pack and ship the system. Limited disassembly is required due to ContiUnity®'s modularity.



ON SITE TESTING

With pre-validated modules and the system fully tested at Zeton, only limited Site Acceptance Testing is required before system handover.

Zeton since 1986

Since 1986 Zeton has been a leader in the design and fabrication of lab scale systems, pilot plants, demonstration plants and small production plants, with a focus on modularity. Customers trust Zeton to help them bring their unique process technologies to the market efficiently and cost effectively. Zeton has completed over

1000 projects in 45 countries across 6 continents.

Our team of over 350 dedicated employees operate from state of the art facilites in two locations to serve customers worldwide. The success of your project is our aim. Being over 90% employee—owned, our customer's goals are shared by all our employees.



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Shaping the *future* together