



## Turnkey Custom-Built Direct Compression Skids



## Continuous Manufacturing Solutions

State-of-the-Art Integrated Platforms for Multi-Process & Multi-Product Flexibility



## A Powerhouse of Process Expertise

Continuous manufacturing advances when industry leaders in hardware and software integration collaborate. We have the expertise and experience required to engineer complex processing, controls, automation and data into a flexible, integrated system.



### Hardware Design & Construction

With over 4,500 feeders installed worldwide in the pharmaceutical industry, and the development and subsequent update of the first true pharmaceutical design Loss-In-Weight (LIW) feeder for continuous processing, Coperion K-Tron has become the global leader in providing sophisticated solutions with state-of-the-art equipment. Due to these innovations, coupled with reliable and innovative controls, Coperion K-Tron feeders are currently used in the production of six current FDA-approved small molecule drugs produced on continuous processes. The newest line of K3 pharma feeders includes the added versatility of modular and quick change design in a compact footprint.

Coperion K-Tron feeders with integrated pneumatic refill systems and high accuracy load cell technology ensure optimal performance and consistent product output in an integrated continuous process. In addition, our system designs provide options inclusive of specialty rinse-in-place configurations, modular skid/platform construction, and versatile custom-engineered solutions to ensure maximum flexibility and accessibility.



### Systems Integration/Software

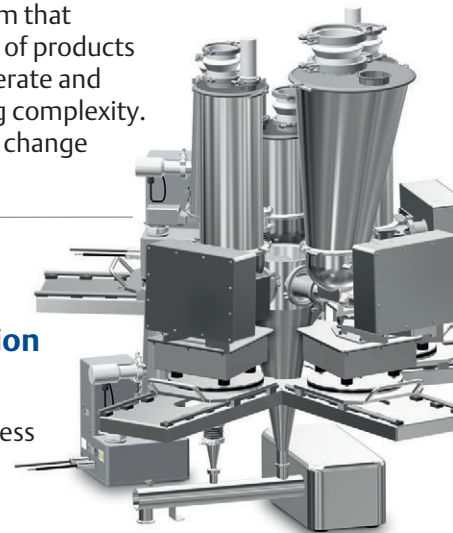
ContinuousPlant® Software Suite is a powerful advanced process control (APC) and data management software solution that can be configured to be the supervisory controller of any number of process units and processes such as direct compression, dry granulation, and wet granulation. This modular flexible software platform allows multiple equipment suppliers to be integrated into one system, giving you the ability to pick and choose your preferred process equipment vendors best suited for the drug products you manufacture.

The DeltaV™ Distributed Control System (DCS) is an easy-to-use automation system that simplifies operational complexity and lowers project risk. The state-of-the-art suite of products and services increases plant performance with intelligent control that is easy to operate and maintain. The DeltaV DCS adapts to meet your needs, scaling easily without adding complexity. The inherent integration of the DeltaV system extends to batch, advanced control, change management, engineering tools, diagnostics, and more.

## Built to Make a Difference

### Modular Design • Multi-Product/Process • Agnostic Unit Operation

Platforms are designed for complete hardware and software modularity for multi-process and multi-product flexibility. End users can select the blender and tablet press models/manufacturers of their choice, which will be fully integrated to the skid.





# Coperion K-Tron, Emerson and Continua Team Up to Provide Custom-Built Continuous Direct Compression Skids



*Coperion K-Tron will take overall ownership of the project including design, construction, logistics & project management.*



## Services

### Turnkey Project Options Include:

- Process Science/Powder Testing
- Equipment Selection
- Equipment Demonstrations
- Modular Hardware & Software Design
- RTD & Materials Traceability
- PAT (Process Analytical Technology)
- FAT (Factory Acceptance Testing)
- Commissioning
- Validation Assistance

## Features

### Turnkey Direct Compression Skid Includes:

- Automatic Powder Dispensing
- Up to 6 LIW Coperion K-Tron Feeders
- Blender
- PAT (Process Analytical Technology)
- Mezzanine

To get started today, call us or visit our website at [www.ContinuaPS.com](http://www.ContinuaPS.com).



## Our Continuous Manufacturing Partners



**Emerson** | Emerson is the leading supplier of automation solutions to the Life Sciences Industry, with automation expertise and technologies to solve your greatest cGMP manufacturing challenges. Emerson has effective technology solutions for improving your real-time product quality, reliability, and operating costs. From design to implementation, and start-up to on-going optimization, you can rely on Emerson to stay competitive in a global economy.

Emerson's DeltaV™ distributed control system (DCS) is an easy-to-use automation system that simplifies operational complexity and lowers project risk. The state-of-the-art suite of products and services increases continuous manufacturing performance with intelligent control that is easy to operate and maintain. The DeltaV DCS adapts to meet your needs, scaling easily without adding complexity.

[www.emerson.com/en-us/industries/automation/life-sciences-medical](http://www.emerson.com/en-us/industries/automation/life-sciences-medical)  
[www.emerson.com/deltavlifesciences](http://www.emerson.com/deltavlifesciences)



**Continua Process Systems** | Continua Process Systems' mission is to develop and apply innovative software, applications and integrated solutions that enable pharmaceutical and biotech manufacturers, and OEMs to integrally design quality, modularity, flexibility and materials traceability into the control of continuous manufacturing processes.

Our unique ContinuousPlant® process automation and data management solutions are specifically designed to enable the continuous analysis, control, and data collection of Critical Process Parameter (CPP) variables that directly affect predefined and measured Critical Quality Attributes (CQA). The outcome is that drug products can now be continuously manufactured more predictably, efficiently, and of better quality than traditional batch manufacturing methods.

Our goal is to become a valued partner and provider of innovative process automation and data management solutions to the pharmaceutical and biotech industry as it strives to produce safer, more effective, and higher quality drug products better, faster, and more economically.

[www.ContinuaPS.com](http://www.ContinuaPS.com)

© Coperion K-Tron. 2022. All rights reserved.

The Coperion K-Tron logo is a trademark and service mark of Coperion K-Tron.

All other marks are property of their respective owners.

The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability.

All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

V3-012022



**Coperion K-Tron Salina, Inc.  
(Sewell Office)**  
590 Woodbury-Glassboro Rd.  
Sewell, NJ 08080, USA  
Tel +1 856 589 0500  
Fax +1 856 589 8113

**Coperion K-Tron Salina, Inc.**  
606 North Front St.  
Salina, KS 67401, USA  
Tel +1 785 825 1611  
Fax +1 785 825 8759

**Coperion K-Tron (Switzerland) LLC**  
Lenzhardweg 43/45  
CH-5702 Niederlenz  
Tel +41 62 885 71 71  
Fax +41 62 885 71 80