

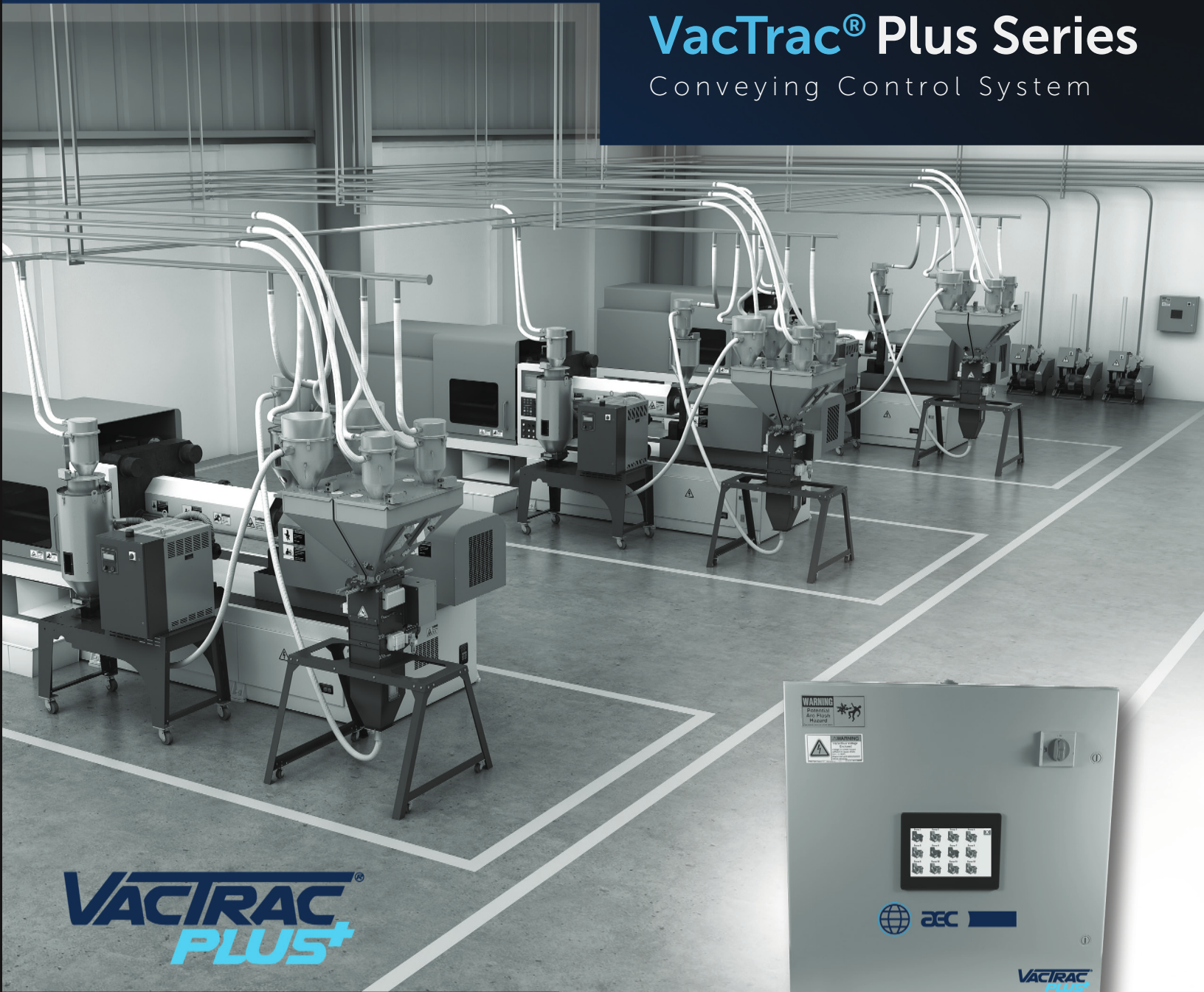


**aec**

Blending | **Conveying** | Drying  
Process Cooling | Heat Transfer | Size Reduction

# VacTrac® Plus Series

Conveying Control System



**VACTRAC**  
**PLUS**

*System Flexibility*

*Seamless Upgrade Path*

*Advanced Controls*

**Designed with growing factories in mind**  
From simple to complex systems, the VacTrac® Plus is the conveying control platform that is designed for flexibility and expansion to fit your processing needs.

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

# VacTrac® Plus Series

## Invest in today, expand in the future

Vacuum conveying has never been as simple or versatile than with AEC's VacTrac® Plus Controller.

AEC has succeeded in creating the most flexible and reliable discrete wired conveying controller on the market. The VacTrac® Plus provides ultra-flexible configurations with a seamless upgrade path. The number of pumps and receiver stations is customizable to fit processors' changing needs. If a plant expands, adding on more lines or reconfigures their operation, they can use the VacTrac® Plus controller without having to purchase a completely new system.

The VacTrac® Plus controls vacuum receivers, vacuum pumps, remote proportioning valves, purge valves, knife gates, and pump or hopper blowback. It can be used in any plastic conveying application including injection molding, extrusion, blow molding, roto-molding, thermoforming, and blown film operations.

The number of pumps and receiver stations is customizable to fit changing needs. Units can be seamlessly upgraded by adding the required I/O modules and new software. The VacTrac® Plus features an advanced design with a wide range of configurable functions including: Blowback, RPV Valves, Knife Gates, Local Alarms, Purge Valves, and Low Level Alarms.



### Industry Leading Support Available

#### Full System Provider

Since the early days of the plastics industry, AEC has been an innovator in blending, drying, conveying, and controls. Customers choose us for intuitive controls, modular designs, and application expertise.

#### Technical Support & Training

AEC provides expert technical support and training, allowing customers to get the most out of their production environment.

#### On-Site Service

Service and support is available to provide regular maintenance and emergency service at your facility.

#### Parts Support

Thousands of parts in stock, ready for same day shipment including specific wear parts. Customer service representatives are ready to assist, ensuring you get the part you need - when you need it.



**Tech Tip:** Utilize the integrated pump oil change meter, to maximize the life of your vacuum pump motors.

### Applications

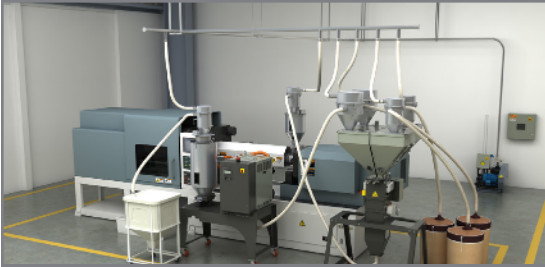
The VacTrac® Plus Series of local I/O conveying controllers is suitable for a wide range of plastic manufacturing needs. Typical applications include, but are not limited to, the following:

- Injection Molding
- Extrusion
- Regrind/Recycling
- Blow Molding
- Roto-Molding
- Thermoforming

# VacTrac® Plus Series

## Sample Factory Configurations

### VacTrac® Plus1



#### Factory A - 1 Pump / 6 Stations

VacTrac® Plus1 - 1 AD Dryer with hopper & receiver, 1 BD Blender with 4 receivers, and 1 Vacuum Pump - all conveying to an Injection Molding Machine.



#### Factory B - 2 Pumps / 12 Stations

VacTrac® Plus1 - 2 AD Dryers with hoppers & receivers, 2 BD Blenders with 8 receivers, and 2 Vacuum Pumps - all conveying to 2 Injection Molding Machines.

### VacTrac® Plus2



#### Factory C - 3 Pump / 18 Stations

VacTrac® Plus2 - 3 AD Dryers with hoppers & receivers, 3 BD Blenders with 12 receivers, and 3 Vacuum Pumps - all conveying to 3 Injection Molding Machines.



#### Factory D - 4 Pump / 24 Stations

VacTrac® Plus2 - 4 AD Dryers with hoppers & receivers, 4 BD Blenders with 16 receivers, and 4 Vacuum Pumps in a pumping room - all conveying to 4 Injection Molding Machines.

### VacTrac® Plus3



#### Factory E - 7 Pump / 28 Stations

VacTrac® Plus3 - 14 AD Dryers with hoppers & receivers, 14 Machine Hoppers, and 7 Vacuum Pumps in a pumping room - all conveying to 14 Injection Molding Machines.

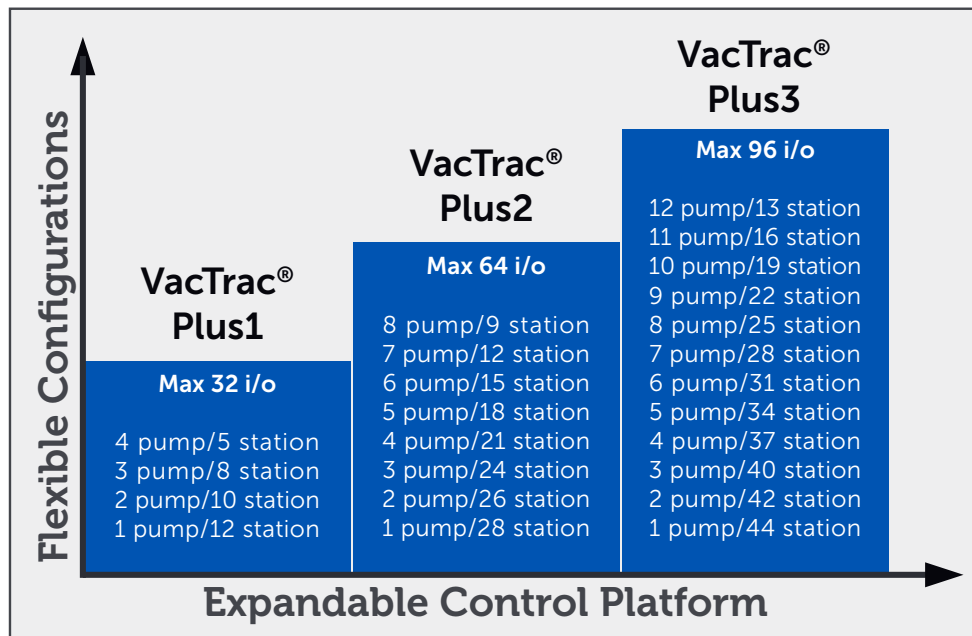
*Factory C installed the VacTrac Plus2 controller to run their 3 injection molding lines. They expanded due to increased customer demand and added a 4th injection molding line becoming Factory D. Through the flexibility of the VacTrac Plus control system, the customer was able to easily re-configure their existing control system to add the 4th injection molding line without purchasing a new controller.*

# System Flexibility

## VacTrac® Plus Configurations

One of the primary benefits of the AEC VacTrac® Plus Series is the sheer customization, as the number of pumps and receiver stations is configurable to meet changing factory needs.

Within each offering, the system is easily adaptable and can be updated based on future operation requirements. The VacTrac® Plus allows companies to customize their configuration of pumps, stations, and advanced control features - unlike other competitive, non-flexible conveying controllers, which have a fixed ratio of pumps and receiver stations.



## Seamless Upgrade Path

### Invest in Today, Expand in the Future

The VacTrac® Plus allows users to purchase the control system required now with the knowledge that future expansion is not only possible, but simple and easily implemented.

Streamlined upgrade paths between all VacTrac® Plus Controllers provide the most flexible option for your application needs. If a system expansion exceeds the capabilities of your current platform, simply upgrade by adding the required I/O modules and new software. The VacTrac® Plus is fully configurable from 1 pump to 12 pumps and 1 station to 44 stations, allowing customization for nearly any application.

# Advanced Controls

## The Widest Feature Range for Discrete Wired Conveying Controllers

The VacTrac® Plus features a high-resolution 7" color touch screen with a powerful Allen Bradley PLC. The large color touch screen provides easy navigation and clear, concise, system status views. The advanced programming algorithms makes installation or reconfiguring the system intuitive, fast, and easy, bringing your system up and running faster than ever.

The Ethernet capability allows the system to be networked to virtually any device in a facility, and the built in VNC server allows remote monitoring or control on any computer, tablet, or phone.

Improved data logging capabilities allow users to review alarm history to help troubleshoot upstream system issues. The system is also equipped with automatic e-mail alert capability, which can be setup to send e-mail alarms when specific issues occur, providing immediate visibility when it is needed.



### Configurable Features for each Receiver Station:

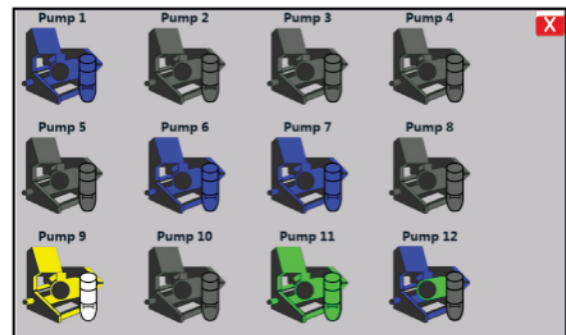
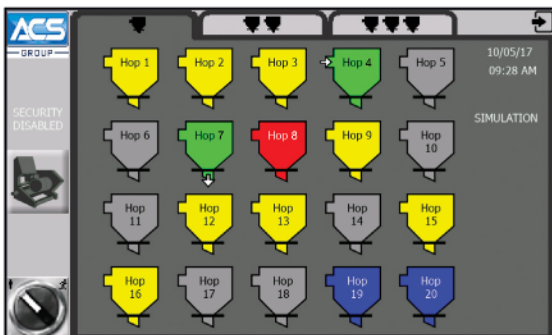
- Blowback
- Remote Proportioning Valve
- Knife Gate Output
- Local Alarm
- Purge Valve
- Low Level Alarm



**Tech Tip:** Set up the built in e-mail alerts to ensure immediate notification of any issues with your process.

## Status Screens

Provide real time monitoring of the full system with visual representations of all pumps & stations. Color coded status indicators quickly identify current state of each pump and station, from ready and conveying, to in-demand, idle, disabled, or alarmed.



# Get More From Your Production Floor

AEC brings you all the technologies you need to advance uptime, energy efficiency and performance in your operation. Turn to our technical support team to evaluate your expected system loads and load characteristics, energy and climate-related issues as well as incorporating new equipment with plastics industry equipment you already own.

## AEC History

Application Engineering Company, now known worldwide as AEC has roots dating back to 1957. AEC initially began serving the plastics industry with innovative chiller and cooling tower solutions, and has established itself as the go-to solutions provider for the most challenging process cooling applications. Today, AEC continues to offer a broad portfolio of portable, packaged, and central chillers. AEC supplies innovative solutions and has grown to be a leader in process temperature control, blending, drying, conveying, and size reduction applications in plastic processing, food & pharmaceutical industries.

## Aftermarket Service & Support

AEC has a service network across the United States and in several key international locations. We are focused on having the right people and products in the right places to keep our customers running efficiently. Whether you need On-Site Service, Technical Support & Training, Parts Support or even Product Repair & Refurbishment, we have you covered. Contact our team today for all of your aftermarket needs at 262-641-8600 or [service@acscorporate.com](mailto:service@acscorporate.com).

## About ACS Group

The ACS Group designs, manufactures, markets and supports one of the most comprehensive lines of auxiliary products for the plastics processing industry. Over the years, ACS Group has grown both organically through technical innovation and through acquisition. ACS Group offers an expansive product line, which includes size reduction equipment (granulators and shredders), material conveying equipment, metering and blending devices, heat exchangers (mold temperature controls units and chillers), drying systems, and hydraulic presses.



**ACS Group** | 2900 South 160<sup>th</sup> Street, New Berlin, WI 53151  
**P:** 1.262.641.8600 **E:** [info@acscorporate.com](mailto:info@acscorporate.com) **W:** [acscorporate.com](http://acscorporate.com)