



## TA Instruments Acquires VTI Corporation

TA Instruments Inc. (New Castle, DE) announces the acquisition of VTI Corporation, "VTI" (Hialeah, FL), a manufacturer of sorption analysis instruments which are widely used in the evaluation of pharmaceuticals, catalysts, and energy-related materials. This acquisition adds two systems which complement TA Instruments' existing gravimetric analysis product line.

The VTI-SA is a gravimetric sorption analyzer designed for water and organic vapor sorption studies of pharmaceuticals and related materials. VTI Corporation has been a pioneer in this field for over 20 years, and VTI products are industry standards in pharmaceutical laboratories around the world. TA Instruments will also incorporate VTI's high-pressure, high-vacuum TGA product line. The TGA-HP series instruments are designed for high-pressure sorption studies which are commonly used in the analysis of energy-related materials.

The integration of VTI further strengthens TA Instruments' industry-leading position in the fields of thermal analysis, calorimetry and rheology, while expanding TA Instruments' exposure into the rapidly-growing pharmaceutical and energy markets.

### TA Instruments Vapor Sorption Analyzers



#### VTI-SA

- Largest Sample Mass
- Organic Solvent Capability
- Closed Loop Humidity Control
- 150°C Sample Drying



#### Q5000SA

- Highest Available Sensitivity/ Stability
- Fully Automated Sample Loading
- Unattended Operation

	VTI-SA	Q5000SA
Balance	Symmetrical	Symmetrical
Maximum Sample Weight	1.5 g	1g
Dynamic Range	150 mg	100 mg
Weighing Accuracy	+/- 0.1%	+/- 0.1%
Weighing precision	+/- 0.01%	+/- 0.01%
Sensitivity	<0.1µg	<0.1µg
Temperature Stability	Peltier Elements	Peltier Elements
Experimental Temperature Range	5 to 60°C	5 to 85°C
Maximum Drying Temperature	150°C	85°C
Isothermal Stability	+/- 0.1°C	+/- 0.1°C
Relative Humidity Control Range	2 to 98% RH	0 to 98% RH
Accuracy	+/- 1% RH	+/- 1% RH
Humidity Control	Closed Loop, Dew Point Analyzer	Open Loop, electronic sensors
Organic Solvent Capability	Included	N/A
Autosampler	N/A	10 Position, Standard