

Explorer Hybrid

*All the benefits of an autosampler
in the footprint of the world's smallest manual reactor.*

Drug Discovery

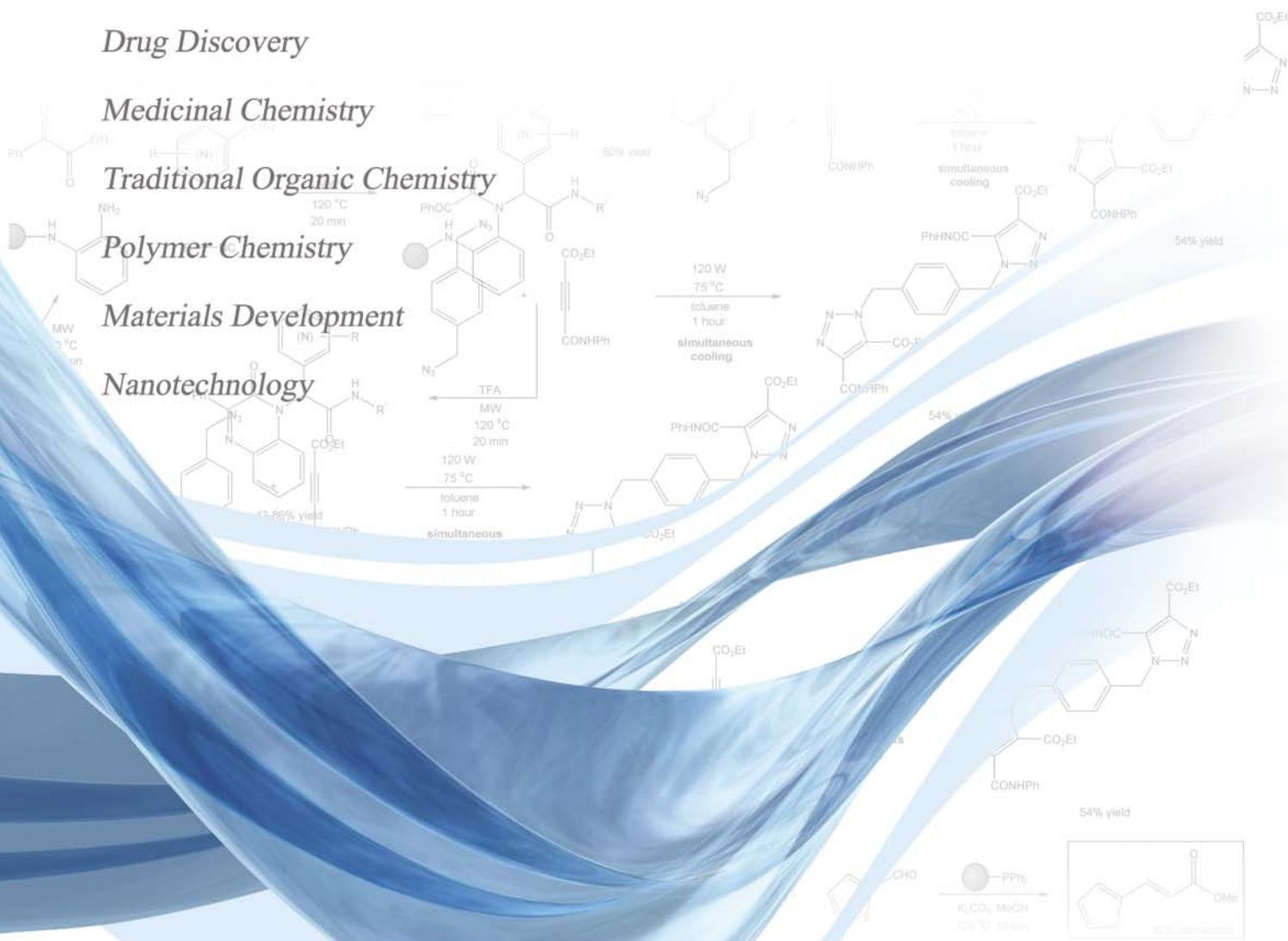
Medicinal Chemistry

Traditional Organic Chemistry

Polymer Chemistry

Materials Development

Nanotechnology



Small and Powerful

Explorer₁₂ Hybrid gives you the flexibility of closed or open vessel microwave synthesis combined with a small footprint autosampler.

Now you can perform both atmospheric and pressurized reactions with all of the convenience of a 12-position autosampler in the world's best-selling microwave synthesis system! The Explorer₁₂ Hybrid is built on the Discover S-Class platform, giving you all of the features and flexibility of this proven technology and the best value of any microwave synthesis system with an autosampler.

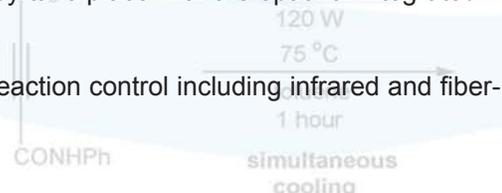
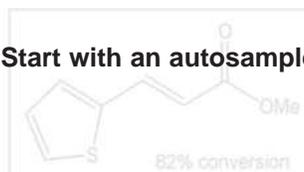
Versatility & Value

With its introduction, Discover S-Class System reset the benchmark in versatility and made everything else seem so limited.

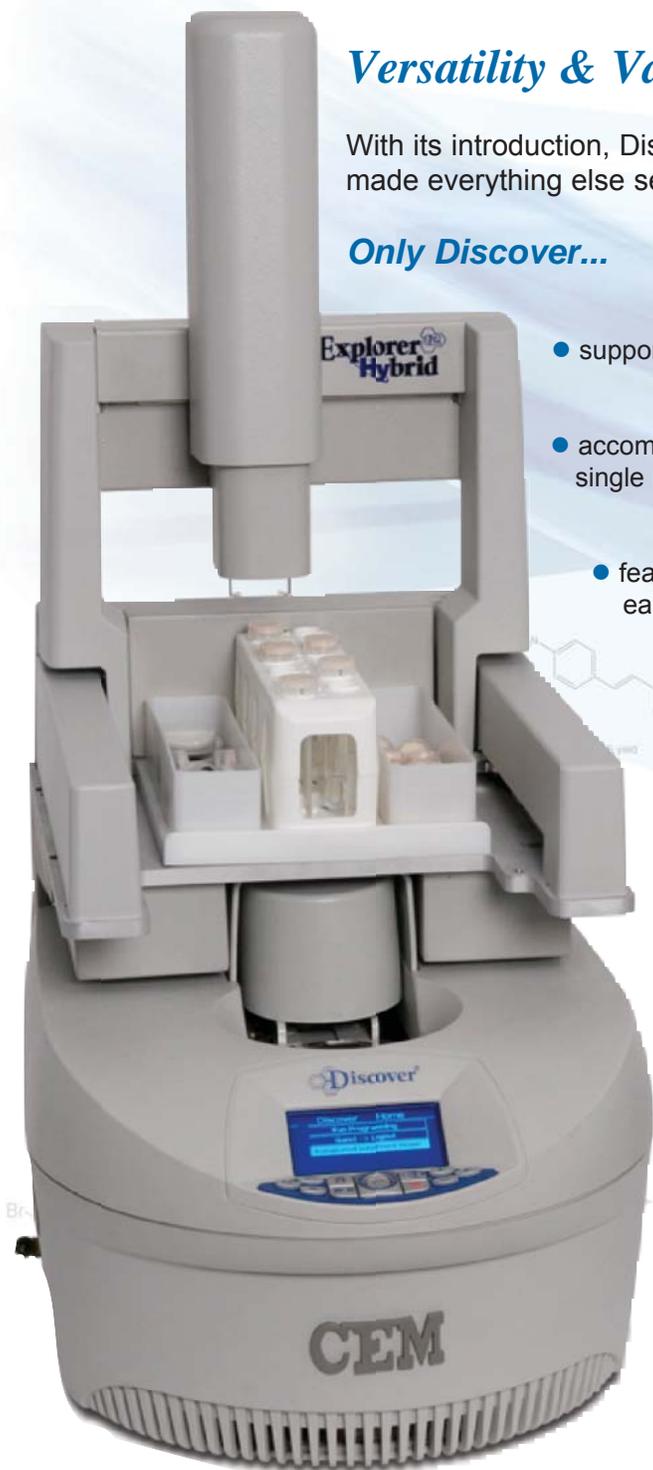
Only Discover...

- supports atmospheric *and* elevated pressure reaction conditions.
- accommodates reaction scales from 0.1 to 125 mL with the industry's largest single mode cavity.
- features a complete line of modular accessories that allow the reactor to easily adapt to your needs. Do your chemistry your way.
- perform peptide synthesis, low temperature reactions ($T < 0\text{ }^{\circ}\text{C}$), and reactions with gaseous reagents all in the same microwave cavity!
- watch your reactions as they take place with the optional integrated camera.
- offers multiple options for reaction control including infrared and fiber-optic temperature sensors.
- conserves your budget with the lowest total cost of ownership of any microwave synthesis system on the market.

Start with an autosampler and add other options later.



Explorer₁₂ Hybrid



Instrument Specifications

Power Output	600 Watt magnetron
Pressure	Monitor 0 -35 Bar, Control 0 - 20 Bar
Temperature	-80 to 300 °C control range
Stirring	In situ electromagnetic variable speed

	<u>Overall Dimensions</u>	<u>Weight</u>
Discover System w/ S-Class Technology	14.2"W x 16.9"D x 11.2"H (36.1 cm x 42.9 cm x 28.4 cm)	40 lbs (18.14 kg)
Explorer₁₂ Hybrid System	14.2" W x 19.7" D x 28.6" H (fully retracted Z top) (36.1 cm x 50 cm x 72.6 cm)	69.5 lbs (31.53 kg)



*Innovators in
Microwave Technology*

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