

Lab Equipment

Universal Coating Systems offers a complete line of lab-scale equipment including coaters and dryers for use with the small batch sizes of our 6" and 12" systems. We are able to offer customers a complete lab system for small-scale production needs as well as pure research platforms.

UniCoat 1200 CCS

- Small production/lab-sized unit
- Offered in three configurations:
 - Manual — Seed and additives are manually added
 - Semi-automated — Human Machine Interface included to control and set recipes, seed is manually added
 - Fully-automated — Human Machine Interface included to control seed scale as well as set recipes
- 12" treating and coating chamber with spun steel machined rotor
- Capable of both seed coating and treating
- Semi-automated and Fully-automated units are configured with two Masterflex L/S peristaltic pumps
- Control system:
 - Recipe input capability
 - PLC logic control
 - Human Machine Interface (HMI)
- Optional add ins:
 - Up to two powder feeders
 - WIPS "weigh in place" loss in weight system for both liquid and powder applications



Lab Dryer

- 4- or 6-box forced air dryer
- Individual box air flow dampers
- Automatic PID (proportional-integral-derivative) temperature control systems
- Self-contained electric heat units with integrated fans

