

Angstrom Nexdep Series

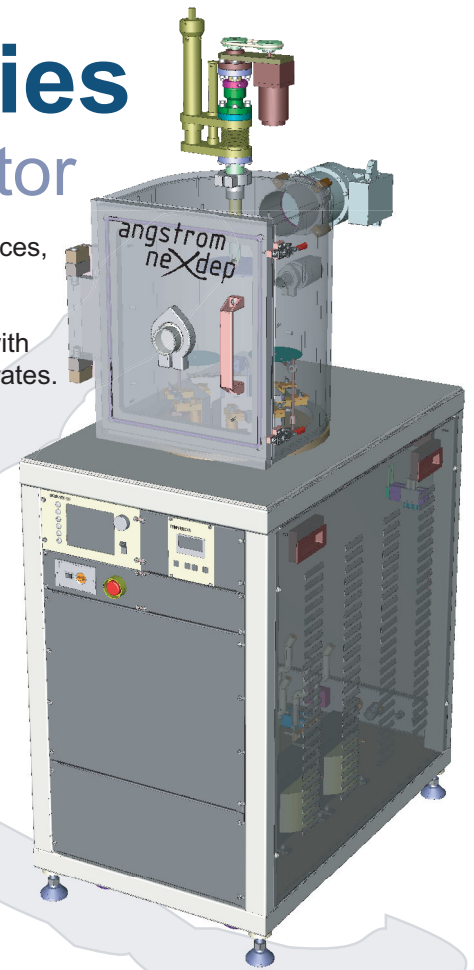
Thermal/Electron Beam Evaporator

The Angstrom Nexdep Series can be configured with up to 4 thermal evaporation sources, a multiple pocket electron beam source, or a combination of both PVD technologies.

The Nexdep Series offers automated vacuum operations and deposition rate control with ergonomic access to all system components and the capability to process large substrates.

Nexdep thin film evaporators are the perfect blend between a low cost solution and equipment configuration flexibility. Accurate and repeatable automated deposition process control in a compact and easy to use package distinguishes the Nexdep Series from the competition.

Our Nexdep Series of thin film deposition systems are available with many options and accessories. Please contact Angstrom Engineering directly and we will configure a system to meet your needs.



Nexdep Series Base System

- 16"W x 20"H D-shaped chamber
- Hinged front door for easy access
- Enclosed frame w/19" electrical rack
- Pfeiffer 210l/s turbo pump package
- Pirani / cold cathode gauge
- Base pressure <math> < 9 \times 10^{-7}</math> Torr
- Auto single button vacuum operation
- Source to substrate range ~12-16"
- Choice of deposition technology

Thermal Source Configuration

- Up to 4 resistive evaporation sources
- 2-source codeposition processing

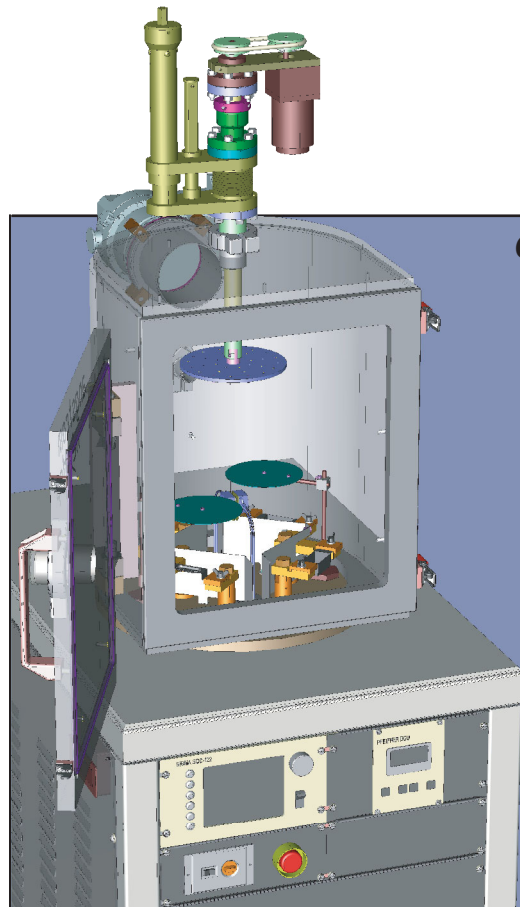
Electron Beam Configuration

- Single or multi-pocket e-beam source
- 2cc - 30cc crucible size range
- 3kW - 6kW power supply packages

Thermal / E-Beam Combo

- Compact 4x2cc multi-pocket e-beam
- 3kW power supply & sweep controller
- Single resistive evaporation source
- Combined codeposition processing

Sigma Instruments



Common System Options

- Chamber door viewport
- Sigma SQC deposition controller
- Codeposition control upgrade
- Rate sensors & feedthroughs
- Continuous rotation substrate stage
- Substrate mask support plate
- 600°C substrate heating stage
- Water cooled substrate stage
- Process automated source shutter(s)
- Vacuum chamber debris shields
- Z-stage linear manipulator upgrade
- Z-stage manipulator motorization
- On site system installation

SQC Codeposition Controller

- Stores up to 25 multi-layer recipes
- Monitors two 4-6 MHz quartz sensors
- Controls codeposition processes
- Large active matrix color LCD display
- RS232 computer interface port
- Windows compatible software



91 Trillium Drive
Kitchener, ON N2E 1W8

www.angstromengineering.com
Tel: (+1) 519-894-4441