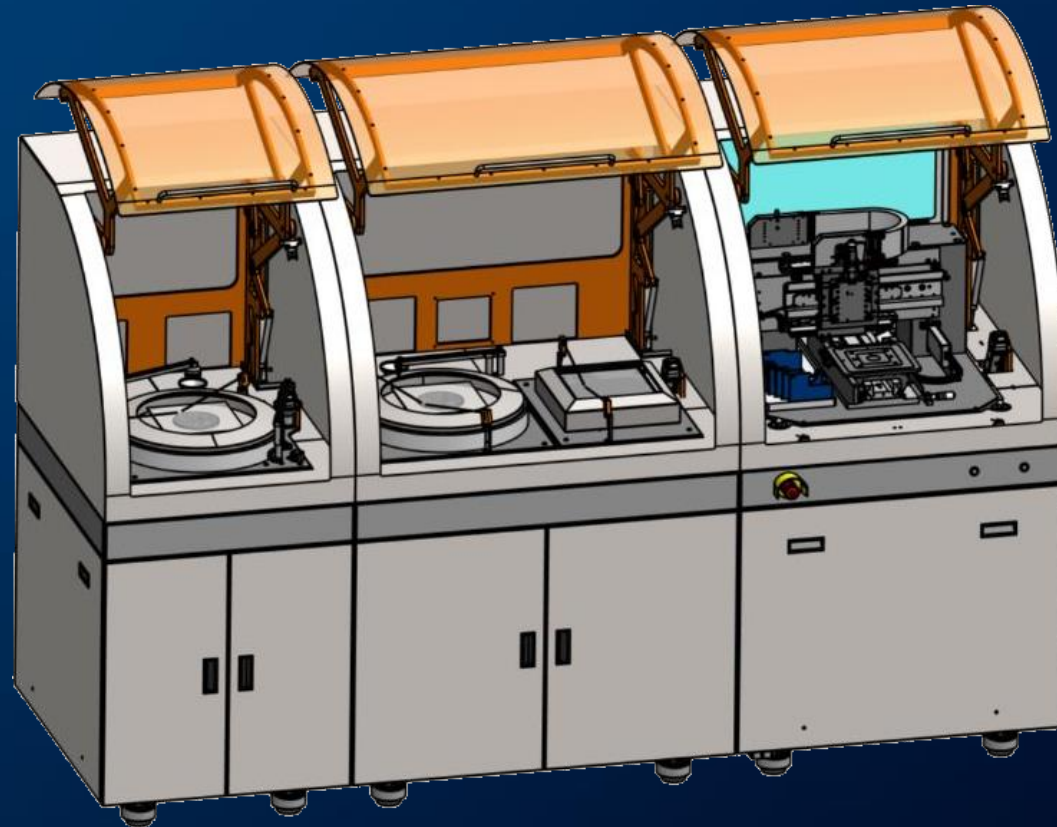


# PicoSDC station



## PicoSDC system for PicoMaster systems

For the most consistent processing of high resolution images with the PicoMaster direct Laser Writer, 4PICO Litho introduced the PicoSDC automated processing stations. The PicoSDC delivers repeatable and uniform photo resist layers and exact timed developing of the exposed photo resist.

The layer consistency and timed developing is an important factor in the production of high quality achromatic images.

- **The system consist of 2 modules.**

- PicoSDC-D, the Cleaner/Developer module
- PicoSDC-C, the Spin Coater/Hotplate module

- **All modules support recipe based programs with freely programmable processes.**

- **Centering tool included**

- **Optional:**

- Frame can be mounted directly to PicoMaster 150/200-H to save space.
- Optional: User interface is integrated with PicoMaster 150/200-H interface



Image is for illustration only

*Freely programmable  
Recipe based coating  
and developing*



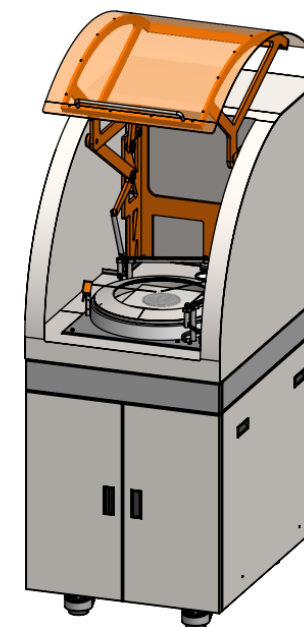
## Cleaner/Developer

### Capabilities

- Vacuum chuck
- Up to 2000RPM
- Dispense arm for water, developer and adhesive (Silane)
- Brush arm for mechanical cleaning, including water connection.
- Developer and adhesive containers for chemical storage.
- Waste can be connected to city drain line or external storage.

### Recipes

- The software supports multiple recipes with freely programmable process flows. The operator can call up a recipe by simply clicking a recipe name.
- Users can program speed, position and time of each component. Allowing the most flexible process flow.



## Easy chemical storage



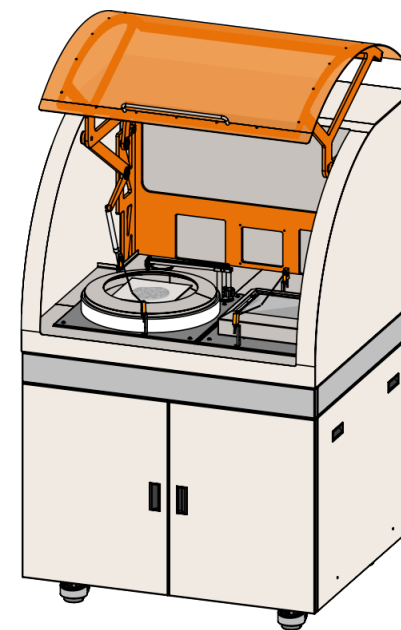
## Coater

### Capabilities

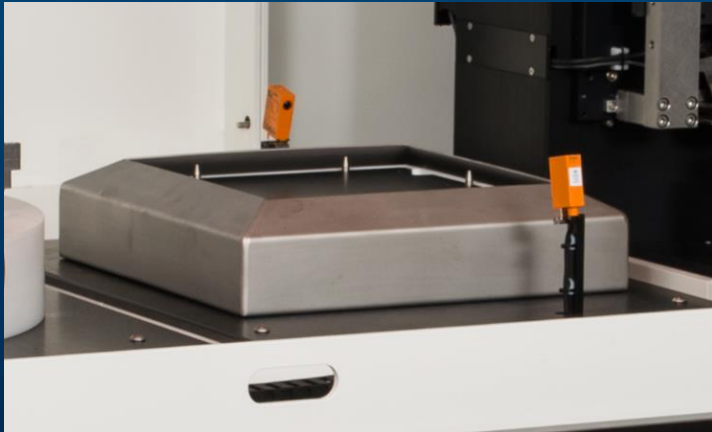
- Vacuum chuck
- Up to 2000RPM
- Dispense arm for 2 types of photo resist
- 2 containers for photo resist storage.
- Exhaust

### Recipes

- The software supports multiple recipes with freely programmable process flows. The operator can call up a recipe by simply clicking a recipe name.
- Users can program speed, position and time of each component. Allowing the most flexible process flow.



## *Uniform coating*

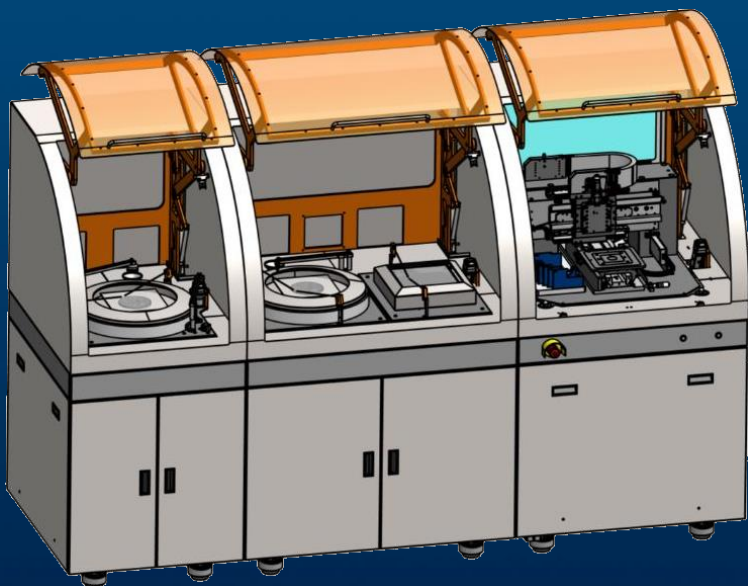


## Hotplate

### ■ Capabilities

- Programmable temperature
- Programmable timer
- Maximum 120 degrees °C

## Multiple configurations



Compact configuration

## Configurations

- The PicoSDC is available in three versions:
  1. PicoSDC-150, Supports up to 150mm substrates
  2. PicoSDC-200, Supports up to 200mm substrates
  3. PicoSDC-250, Supports up to 250mm substrates
  
- The PicoSDC can be configured as a standalone unit with it's own controller, or it can be configured to share the controller with the PicoMaster xxx-H system.
  1. **Compact:** The PicoSDC shares it's controller with the PicoMaster system  
This configurations saves the most space. The shared controller has no impact on the PicoMaster performance.
  2. **StandAlone:** The PicoSDC has it's own controller.  
In this configuration, the PicoMaster system does not need to be close to the PicoSDC system.
  
- The PicoSDC-C and PicoSDC-D modules can also be ordered individual and operate as standalone module.

## Required utilities

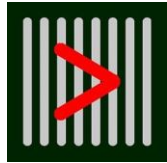
- **The system requires the following utilities**
  - DI water
  - Compressed air, min 6 Bar.
  - 110-230V single phase 50/60Hz, max 3kW
  - City drain connection
  - Nitrogen (for pressurizing chemical containers)



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