

EQUIPMENT CATALOG

PhotonExport is dedicated to enabling cutting-edge R&D, thin films, and nanotechnology innovation by providing high-quality specialty materials and equipment that are tailored to your specifications and delivered on time and at the lowest possible cost.

We strive to enable cutting-edge research and development innovation for those seeking a bright and sustainable future through scientific discovery.

PhotonExport 



Wafer Processing

| | | Desktop | R&D | Small Scale | Medium Scale | Large Scale |
|-------------------|-----|---------|---------------------|---------------------|---------------|------------------|
| Ingot Casting | | | ECM Crystar | ECM PV80 | ECM PV600 | ECM PV1300 |
| Wafer Polishing | CMP | | Alpsitec Pcox 200S | Alpsitec E460 | | |
| Ion Implantation | | | Plasmionique Pupion | Plasmionique Pupion | | |
| Ion Beam Trimming | | | Scia Trim 200 | Scia Trim 200 | Scia Trim 300 | Scia Finish 1500 |

Oxidation

| | | | | | | |
|-------------------|--|--|-------------|--------------|--------------|---------------|
| Dry/Wet Oxidation | | | ECM Oxistar | ECM Tubestar | ECM Tubestar | ECM DF-Series |
|-------------------|--|--|-------------|--------------|--------------|---------------|

Lithography

| | | | | | | |
|-----------------------------------|---|---|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Coating Developing Cleaning | Fully automatic single-wafer processing | | Amcoss AMC500 | Amcoss AMC1000 | Amcoss AMC2000 Amcoss AMC2500 | Amcoss AMC2500 Amcoss AMC3000 |
| | Semiautomatic single-wafer processing | | Amcoss AMR200 | Amcoss AMR200 Amcoss AMR300 | Amcoss AMR300 | |
| | Automatic HMDS batch processing | | | | Amcoss AMV200 | Amcoss AMV200 |
| Spin Coating | | Spin 150i Spin 200i Polos 200 Polos 300 Polos 450 | Polos 200 Polos 300 Polos 450 | Polos Spin4000 Polos Spin5000 | | |
| Spray Coating | | Polos UC320 | Polos UC320 Polos UC330 | Polos UC360 | | |
| Mask Aligners and Exposure | | Mask Aligner 4" 4" UV Exposure Mask Aligner 6" | Mask Aligner 8" Mask Aligner 12" | | | |

Etching and Cleaning

| | | | | | | |
|-------------|----------------------|------------------------------|---------------------------------------|--|------------------------------------|--|
| Dry Etching | Plasma | AutoGlow 200 AutoGlow 300 | Alliance P300 Plasmionique Flarion | Plasmionique Flarion | | |
| | Ion Beam RIBE | | Scia Mill 150 | Scia Mill 150 | Scia Mill 200 | Scia Mill 300 Scia Inline 400 Plasmatherm Quazar |
| | RIE | PlasmaPod RIE | Corial 200FA Corial 200S | Corial 200R Corial 300S Corial 360RL | Scia Cube 300 Plasmatherm Tegal | Scia Cube 750 Plasmatherm Versaline RIE |
| | RIE ICP | Corial 200I | Corial 200I | Corial 210IL Corial 360IL | Plasmatherm Versaline ICP | Plasmatherm Versaline ICP |
| | Deep Silicon Etching | | | | Plasmatherm Versaline DSE | Plasmatherm Versaline DSE |

Our solution partners



| Deposition | | Desktop | R&D | Small Scale | Medium Scale | Large Scale |
|------------|---------------------------|------------------------------|--|--|--|--|
| CVD | CVD | | Plasmionique Flarion Plasmionique EVAD Corial D250 | Plasmionique Flarion Plasmionique EVAD | | |
| | PECVD | PlasmaPod PlasmaBarrelPod | Plasmionique Flarion Plasmionique EVAD Scia Batch 350 | Corial D250 Plasmionique Flarion Plasmionique EVAD Scia Batch 350 | ECM Memslab Corial D350 Scia Cube 300 | Corial D500 Scia Cube 750 Plasmatherm Versaline Plasmatherm LAPECVD |
| | LPCVD | | | ECM Tubestar | ECM Tubestar | ECM DF-Series |
| | DLI CVD | | Annealsys MC-50 | Annealsys MC-50 | Annealsys MC-100 | Annealsys MC-200 |
| | RTCVD | | | Annealsys One | Annealsys Premium | Annealsys Master Annealsys Zenith-150 |
| PVD | ICP CVD | | Corial 210D | | | |
| | Magnetron Sputtering | | Alliance AC450 Plasmionique Magnion Scia Magna 200 Plasmatherm Endeavor | Alliance DP650 Plasmionique Magnion Scia Magna 200 Plasmatherm Endeavor | Alliance DP850 Scia Multi 300 Scia Multi 680 | Alliance DP1100 Scia Multi 1500 Scia Inline 400 |
| | Evaporation | | Alliance EVA300 Plasmionique EVAD | Alliance EVA450 Plasmionique EVAD | Alliance EVA600 | Alliance EVA760 |
| | Electron Beam Evaporation | | Scia Eva 200 | Scia Eva 200 | | |
| | Ion-Beam Sputtering | | Plasmionique Magnion Scia Coat 200 | Plasmionique Magnion Scia Coat 200 | Alliance LINE440 Scia Coat 500 Scia Opto 300 | Alliance LINE1500 Alliance LINE2000 Scia Coat 500 |
| | PLD | | Plasmionique Glaze | Plasmionique Glaze | | |
| | Cluster PVD | | | Alliance CT100 | Alliance CT200 Plasmatherm Eclipse | Plasmatherm Eclipse |
| ALD | ALD | | Picosun R200S Plasmionique Flarion | Picosun R200A Picosun P300B | Picosun P300BV Picosun P300S | Picosun Morpher Picosun P1000 |
| | DLI ALD | | Annealsys MC-50 | Annealsys MC-50 | Annealsys MC-100 | Annealsys MC-200 |
| | PEALD | | Plasmionique Flarion | Plasmionique Flarion | | |

| Thermal Processing | | Desktop | R&D | Small Scale | Medium Scale | Large Scale |
|--------------------|--|---------|---|---|---|--|
| RTP | | | Annealsys AS-Micro Jipelec Jetfirst Plasmatherm Heatpulse | Annealsys One Jipelec Jetstar Plasmatherm Heatpulse | Annealsys Premium Jipelec Jetstar K7 | Annealsys Master Annealsys Zenith-150 |
| Hotplate | | | Amcoss AMT200 Amcoss AMT300 | Polos 200S | | |

Our solution partners



Accessories

| | | Desktop | R&D | Small Scale | Medium Scale | Large Scale |
|---------------|----------------------|------------|-----------------|-----------------|------------------------|------------------------|
| Dicing | | | | | Plasmatherm Singulator | Plasmatherm Singulator |
| Measurement | Helium Concentration | | Alliance HM100 | | | |
| | Film Thickness | | Colnatec Eon-ID | Colnatec Eon-ID | | |
| Gas Abatement | Plasma | | Ecosys Marathon | Ecosys Marathon | Ecosys Marathon | |
| | Thermal | | Ecosys Guardian | Ecosys Guardian | Ecosys Guardian | |
| | Wet | | Ecosys Vector | Ecosys Vector | Ecosys Vector | |
| Thermal-Wet | Ecosys CDO | Ecosys CDO | Ecosys CDO | Ecosys CDO | Ecosys CDO | |
| Handling | Glovebox | | Kiyon KK-011AS | Kiyon KK-011AD | Kiyon KK-021AS | Kiyon KK-021AD |




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PhotonExport
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