

Resource Summary Report

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Teledyne: Photon Machines Analyte Excite Laser Ablation Source Analyte

RRID:SCR_020402

Type: Tool

Proper Citation

Teledyne: Photon Machines Analyte Excite Laser Ablation Source Analyte
(RRID:SCR_020402)

Resource Information

URL: <http://www.teledynecetac.com/products/laser-ablation/analyte-excite>

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Description: Laser ablation system that offers excimer technology at 193 nm with all the analytical capabilities you require, and a price you can afford. The Excite delivers finely controlled, homogenizer-flat ablations with high sensitivity and split second response. Fire-on-the-fly lasing that is synchronized to the stage motion, combined with fast washout ablation cells, make precision depth profiling of spots, lines and areas possible and enables high spatial resolution elemental mapping. The Excite is equipped with a high definition, color GigE camera on a high magnification, optical zoom, video-microscope capable of resolving 2 μ m features. Transmitted, reflective and ring illumination, cross polarizers plus software selectable camera settings give the user enhanced viewing capabilities. The combination of ultra-short pulse length and 193 nm wavelength is unsurpassed in coupling efficiency. The Excite ablates all materials, from opaque to highly transparent, including delicate powders, hard quartz and resilient carbonates with depth penetration in the tens of nanometers per shot. The beam energy profile is homogenized to ensure uniform ablations across the entire range of spot sizes and on a wide range of materials.

Resource Type: instrument resource

Keywords: Laser ablation system, instrument, equipment, USEDit

Availability: Commercially available

Resource Name: Teledyne: Photon Machines Analyte Excite Laser Ablation Source Analyte

Resource ID: SCR_020402

Alternate IDs: Model_Number_Analyte

Record Creation Time: 20220129T080350+0000

Record Last Update: 20260808T190152+0000

Ratings and Alerts

No rating or validation information has been found for Teledyne: Photon Machines Analyte Excite Laser Ablation Source Analyte.

No alerts have been found for Teledyne: Photon Machines Analyte Excite Laser Ablation Source Analyte.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.