

imageGEO193

XYR Beam Shaping

- Square and rectangular ablations
 - Sampling matches pixels
 - Spot size = 1-220 μm

Microscope Viewing

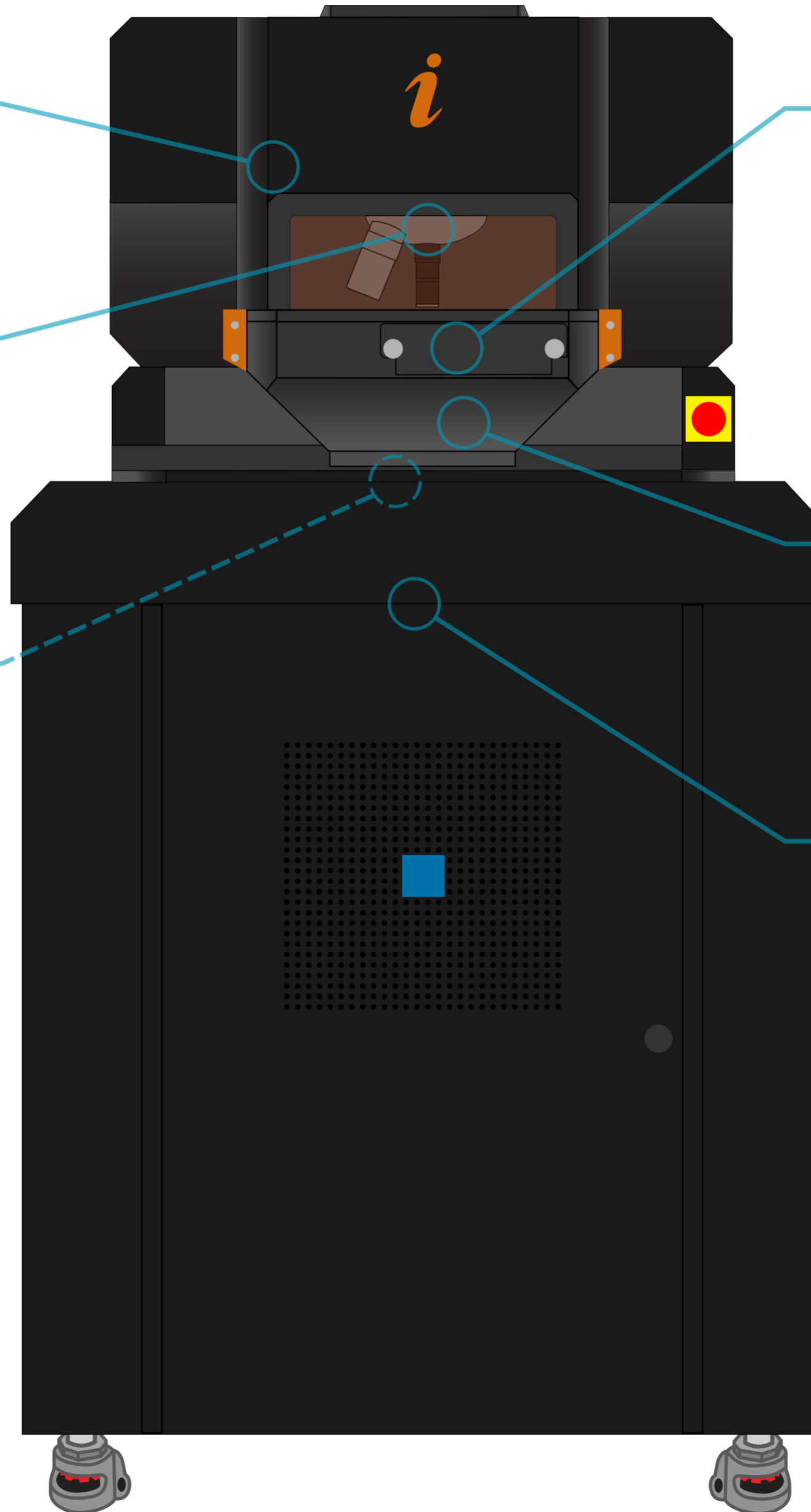
- Ultra-HD viewing of the sample
- $< 0.55 \mu\text{m}$ resolution
- 20X video objective (upgrade option)
- Software switchable objective

Beam Delivery System (BDS)

- Purpose designed sealed and purged BDS with minimal number of rotatable optics for lowest cost of ownership

Imaging Mode

- Provides edge-to-edge ablation and controlled laser dosage



TwoVol3 Ablation Chamber

- Imaging Interface: Ultra-fast washout ($< 1 \text{ ms}$ – 1000 pixels/s) for high sensitivity and high imaging resolution
- Analytical Interface: Switchable cup for high precision data analysis
- Typhoon Purge: World's most efficient air removal system

Nanograde High-Precision Stages

- 10 nm resolution at high speed with closed-loop feedback for perfect position recall

High Frequency 193 nm Excimer Laser Source

- Water cooled, 500 Hz frequency for stable high-speed imaging
- 1000 Hz available (upgrade option) – ideal for ICP-TOF-MS integration