

# Upgrade Extend Explore



Do something new with your old FIB

**Cs+ ion source retrofit for high performance FIB**

**Li+ ion source for battery research**

Smaller spot size & damage volume than Ga+

Compatible with most FIB columns

Cs+ ion beam with nanometer resolution

10+ nA beam current (Cs+)

Superior performance at low beam energy

Compatible with most ion beam columns & accessories

Machine with higher precision than with Ga+

Explore new applications with unprecedented performance

Utilize a wide range of currents to handle a variety of tasks

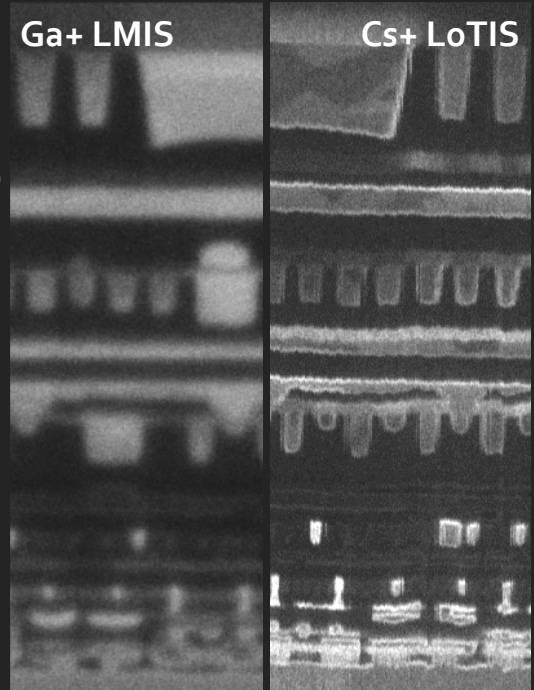
Extract additional value from existing capital equipment

## Less is More

Smaller focal spot and interaction volume allow more precise machining

	Interaction		Focus
	Depth (nm)	Straggle (nm)	Spot Size (nm)
Ga+ (30 kV)	28	10	5
Cs+ (10 kV)	12	3.5	< 2

# FIB:RETRO



Comparison at 5 kV; 5µm vertical field height

# Introducing FIB:RETRO

Turn Yesterday's  
FIB Into Tomorrow's  
Cutting Edge

Do you have a FIB system that has done some great work but is now languishing? You've already paid to site the tool, keep it running, and promote its availability. With an ion source upgrade you can turn that FIB into one capable of generating new scientific breakthroughs.

FIB:RETRO  
AVAILABLE 2019

# ZEROK NANOTECH

## About Us

zeroK NanoTech Corporation is beginning deployments of its Low Temperature Ion Source (LoTIS). FIBs equipped with an upgraded ion source can break new scientific ground without the need to replace an entire platform.

FIB:RETRO  
AVAILABLE 2019



## FIB:RETRO

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