

Quantum LEAP Ion Implanter



Refurbished



Fully tested



Enquire now

Applied Materials Quantum LEAP: low-energy, high-current implant for 200mm fabs, supported by IES Semiconductor Parts with refurbishment, parts and installation.

KEEPING QUANTUM IMPLANTERS RUNNING

The Applied Materials Quantum series became one of the most widely adopted high-current implanters of its generation, with more than 100 systems shipped by late 2002. Applied stopped developing implanters in 2007, so owners now rely on **specialist refurbishment, parts and engineering support**.

Low-energy performance on 200mm wafers

The Quantum platform bridges 200mm and 300mm wafer sizes in a small-footprint design. The LEAP variant extends ultra-low-energy performance down to 200eV, covering 200eV to 80keV for shallow-junction formation at 0.18 micron and below.

Looking for a tool or support? Contact us for current availability and configuration details.

WHY CHOOSE IES SEMICONDUCTOR PARTS

- ✓ **Proven platform** — 100+ systems shipped worldwide
- ✓ **Wide energy range** — 200eV to 80keV on the LEAP
- ✓ **Install-ready** — relocation and commissioning
- ✓ **Compliance** — CE / UKCA marking and PUWER
- ✓ **Parts and support** — legacy implanter spares



Quantum LEAP implanter in a 200mm fab, with front-end load ports



Power distribution and control racks, CE-marked

SPECIFICATION AT A GLANCE

OEM	Applied Materials (AMAT)
OEM PART NUMBER	0170-91288
MODEL	Quantum LEAP high-current implanter
ENERGY RANGE	200eV to 80keV
WAFER SIZE	200mm (platform bridges 200/300mm)
CONDITION	Refurbished & fully tested
SERVICES	Relocation, installation, commissioning
AVAILABILITY	Enquire for current stock



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Tell us about your tool — quote within 24 hours.



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