

مشخصات فنی دستگاه AFM

لیست زیر مجموعه ها و اجزاء دستگاه AFM

<u>Part</u>	<u>Description</u>
Body	Includes: Micro-actuators, Nano-actuators, Mechanical Stages, Translation Mechanism, Structures and Alignment Stage
Head	Includes: Optical Nano-sensing device containing Photo Diodes, Laser& Mirrors, Camera, Adjustment mechanisms for laser and detectors, Dithering actuator and Cantilever holding mechanism.
Protecting Container	Includes: The vessel, Humidity & Temperature sensing device, Passive damping base
Stone Plate	Square 500 x 500 mm
Tripod Table	High Rigidity and Passive Damping Characteristics
Scanner Drivers	Includes:
Controller	Includes: Precession Amplifiers, Stepper Drivers, Controlling board, Interfaces and Filters , High Voltage Amplifier and Nano-actuator Drivers , Lock In Amplifier

PC Interface	
Dedicated PC	
Rack unit for Electronics	
Monitors for data acquisition & camera	
Software	Ara-nano version 1.01 Imager version 2,01
Accessories	Sample bases, Power Supplies, Cables
Options	Standard Gratings, Tips ...

امکانات سیستم **AFM** با توجه به **Version** :

Version 1– Educational -model

- Contact mode
- Dynamic mode
- Tapping mode
- LFM