

# Strømlingo™ Nssembly AFM Arduino Powered Controller

Liberating Nanotech Research

## Features:

- One button scanning
- Arduino based controller
- Open source firmware
- DC (contact)<sup>\*1</sup> and direct laser scanning mode
- Normal/High resolution mode switching

## Specifications:

- Scanning speed: 0.2~0.8 Hz
- Scanning resolution: 128x128, 256x256
- Dynamic RMS Noise : **1.5** nm
- XY scanner range: ~25  $\mu\text{m}$  / ~12.5  $\mu\text{m}$
- XY resolution : ~90 nm / ~**45** nm
- Focus error signal (FES) bandwidth: 500kHz
- PC communication interface: USB

\*1. Constant height mode. Constant force mode are under development.

