
Subject: Re: Stylus Inspection

Posted by [Wayne Parham](#) on Mon, 14 Jan 2019 01:40:38 GMT

[View Forum Message](#) <> [Reply to Message](#)

As I said, the focal point of the microscope is so tight that it could either focus on the cantilever shaft or the tip of the stylus, but not both. At higher magnification levels, it would even focus only on a section of the tip. So I rolled the focus knob up and down to focus first on the base, then the middle and finally the tip.

I've seen photos of highly magnified views that had good clarity through a range of distances, so I wonder if they are using imaging equipment that is capable of that, or if they are gathering multiple images and splicing them together. Perhaps better imaging equipment is capable of doing that automatically. I don't know, but I do know that with what I'm working with, you have to choose a single focal point.

So I've attached both static photos of the styli tip, and also animations showing me "roll through" focal points from base to tip.

Comparison of the two styli at 1000x magnification:

Audio Technica AT20 Stylus Tip (1000x magnification)

Audio Technica AT20 Stylus Tip (1000x, rolling focal point)

Bliss ATN20 Stylus Tip (1000x magnification)

Bliss ATN20 Stylus Tip (1000x, rolling focal point)

File Attachments

- 1) [ATN20_1000.jpg](#), downloaded 478 times
 - 2) [ATN20_1000.gif](#), downloaded 516 times
 - 3) [ATN20_Bliss_1000.jpg](#), downloaded 501 times
 - 4) [ATN20_Bliss_1000.gif](#), downloaded 538 times
-