

# Test Report for SFX-4000B

Note: The original article is written in Korean, edited by our South Korean dealer. The following is the English translation version.

## Test One:

Test Objective: To test the hole's roundness when drilled by high power SFX-4000B portable EDM Machine. Simultaneously, to research the size tolerance.

Material: Super-hard Block

Size of Hole:  $\varnothing 3$

Depth: 4mm

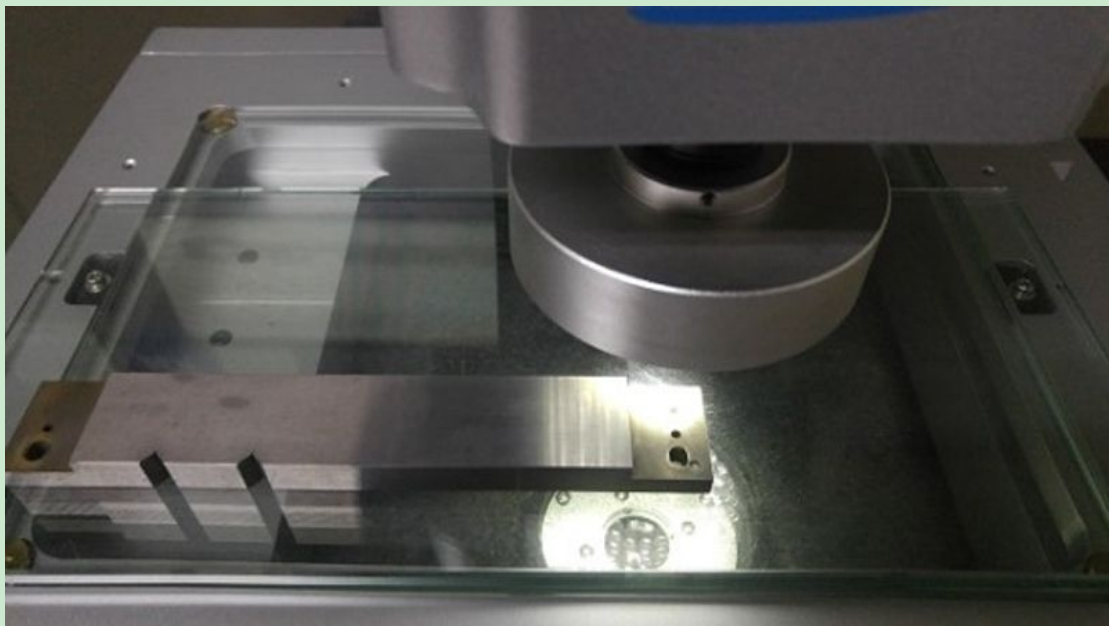
Time: 30 min



The super-hard block will be observed under video meter.



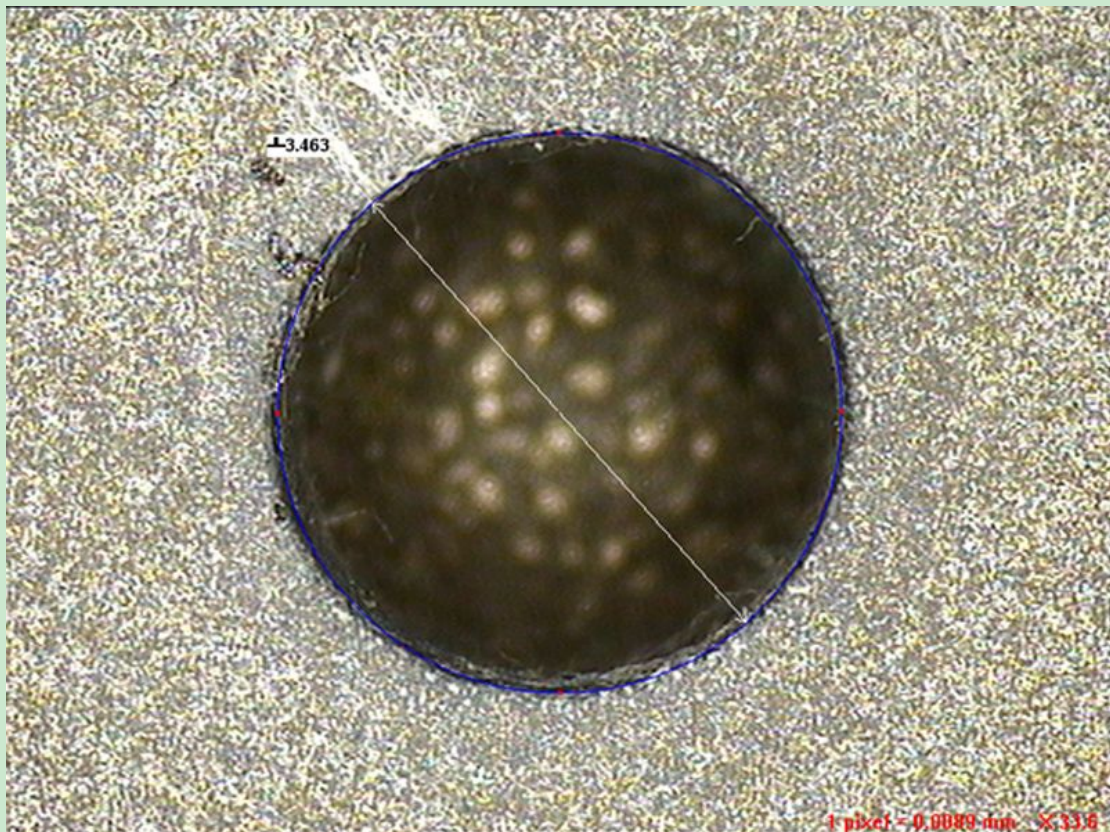
Video Meter.



Block was observed under Video Meter.

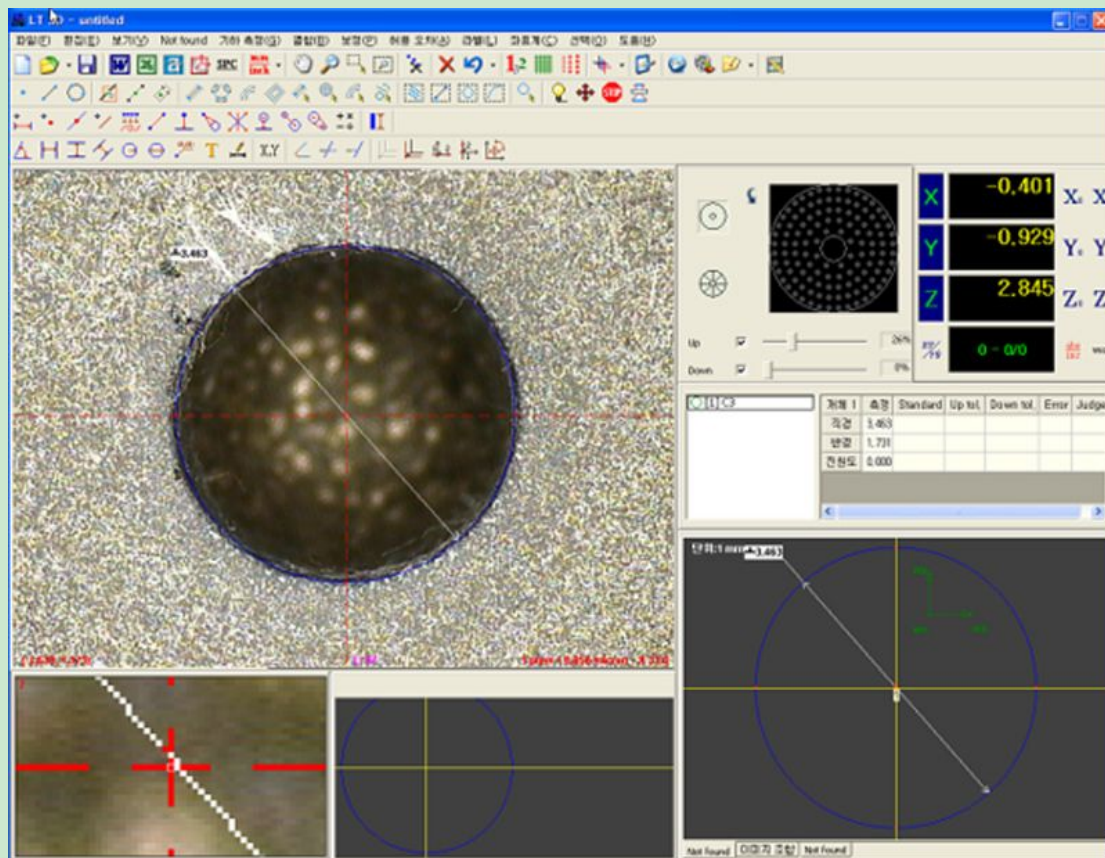


The size of hole is  $\varnothing 3$ , depth is 4mm. Because the block is super-hard, we spent longer time than before.



Under the video meter, the blue circle is drawn by the video meter automatically, which is the ideal circle. From the image, we can see the ideal circle is almost overlapped with the actual hole eroded by

SFX-4000B. The roundness of hole is good.



We got know of 0.25mm size tolerance of the hole in the above image.

## Test Two:

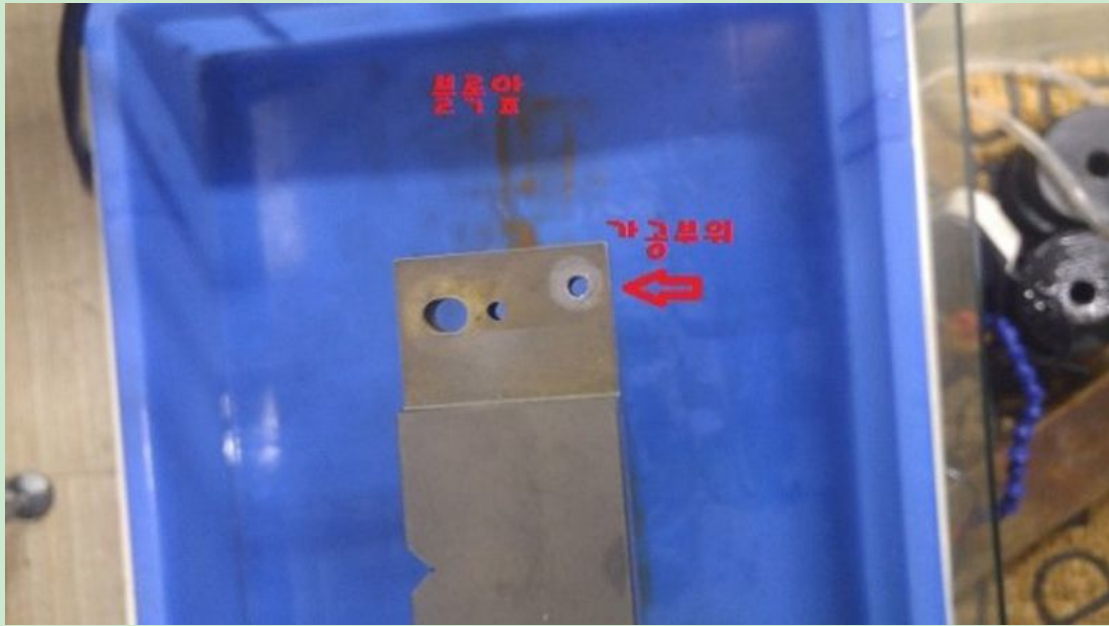
Test Objective: Testing whether the electrode is always vertical when drilling, and got to know whether the portable edm machine can make damage to the work-piece. We also found the processing time increased accordingly when the material was super hard.

Date: 16<sup>th</sup>, Jan., 2016. The block is super hard.

Thickness: 8mm

Electrode:  $\varnothing 3$

Time: 1 Hour



- The front of block.

- Diameter of the hole is  $\varnothing 3.262$ .

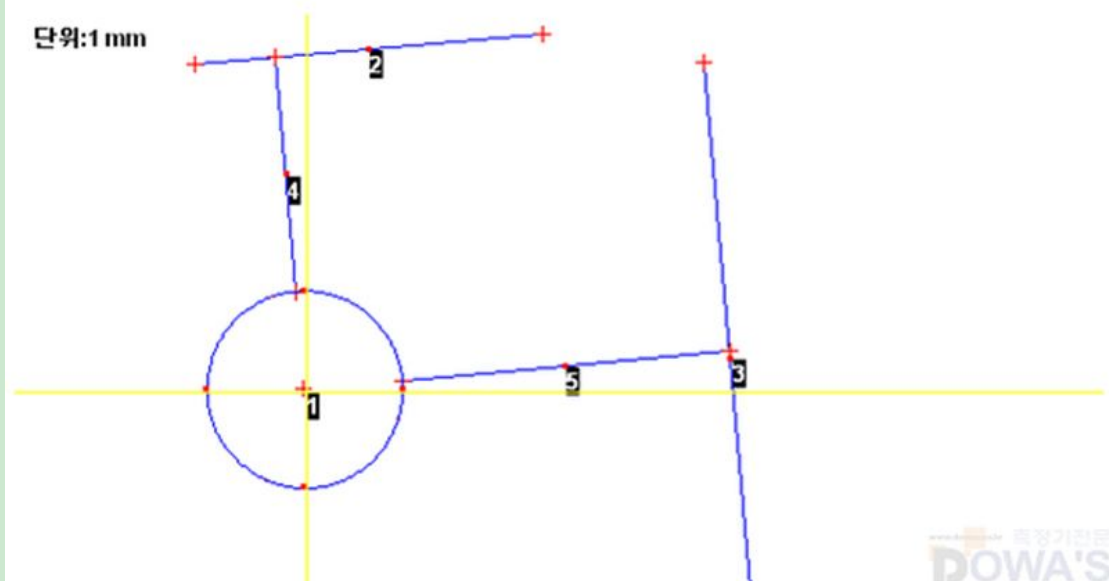
- The length from pore to edge for L3 L4 is 3.895mm, 5.476m.

측정물: untitled  
단위: mm

측정자:

날짜: 2016-01-20  
시간: 19:14

		측정
[1]C1	직경	3.262
	반경	1.631
	진원도	0
[4]L3	길이	3.895
[5]L4	길이	5.476





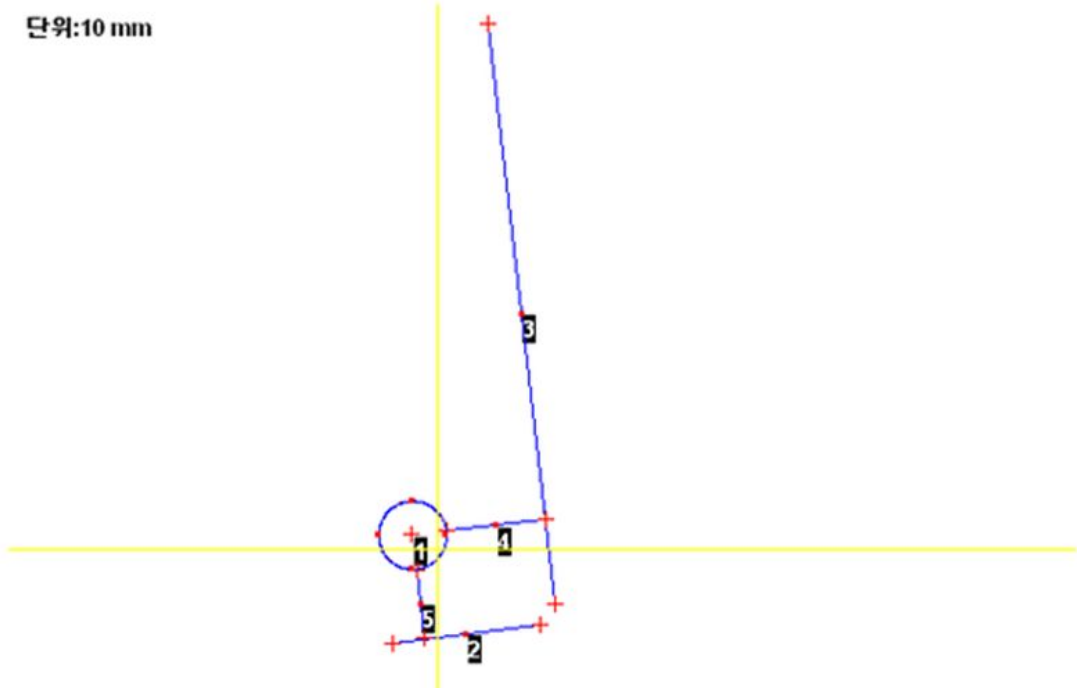
- The back of block.
- Diameter of the hole is  $\varnothing 3.575$ .
- The length from pore to edge for L7 L6 is 3.656mm, 5.288mm

측정물: untitled      측정자:  
단위: mm

날짜: 2016-01-20  
시간: 19:11

		측정
[1]C1	직경	3.575
	반경	1.787
	진원도	0
[4]L6	길이	5.288
[5]L7	길이	3.656

단위: 10 mm



We assure all the images and statistics above are based on authentic testing.

We are confident in the quality of SFX-4000B and satisfied with the test result.