Supplementary information

**Do-It-Yourself (DIY) Manufacture of a Nano-LC MALDI Spotter Robot using 3D Printing Technology**

Jae-ung Lee and Han Bin Oh\*

Department of Chemistry, Sogang University, Seoul 04107, Korea

**Keywords:** MALDI, Do-it-yourself, Spotter, Robot, 3D printing

\*Address reprint requests to Prof. Han Bin Oh (hanbinoh@sogang.ac.kr), Department of Chemistry, Sogang University, Seoul 04107, Korea

**Supporting information 1: A list of CAD and STL files**

All the CAD and STL files for 3D printed components are contained in “CAD and STL files for 3D components” (ZIP). In the zip folder, all the CAD and STL files were stored under the CAD and STL folders, respectively. All the files are named after the component labels shown in Figure 2 and Table 1.

**Supporting information 2: the container case and cover**

The schematics for the container case and the cover acrylic plates are provided as a CAD file: “the container case and the cover acrylic plates” (ZIP).



**Supporting Figure 1.** An overall 2D wire frame view of the container case and the cover acrylic plates. The blue parts are aluminum profiles and the container cover material is an acrylic plate.



**Supporting Figure 2.** A dimension of the “Side face 1”.



**Supporting Figure 3.** A dimension of the “Side face 2”.

C:\Users\user\Desktop\MALDIPLATE\그림\supporting\the lower surface.tif

**Supporting Figure 4.** A dimension of the “lower surface”.



**Supporting Figure 5.** A dimension of the “upper surface”.



**Supporting Figure 6.** A dimension of the “front door”.



**Supporting Figure 7.** A dimension of the “board cover 1”.



**Supporting Figure 8.** A dimension of the “board cover 2”.



**Supporting Figure 9.** A dimension of the “board cover 3”.