DC Plasma Coating Application Notes

1. Must clean target surface before coating. Make sure the substrate, metallic materials and the heating stage clean.
2. For the first use, the sputtering coating might not be efficient. Please repeat the coating by following the instructions to obtain obvious film.
3. For different metallic materials, practice to achieve best parameters and experience. Here are some references based on the collected data in the past experiments.

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| Target Material | Vacuum(Pa) | Sputtering Current(mA) | Time(s) | Number of Coating |
| Au | 31-33 | 28-30 | 100 | 1 |
| Ag | 31 | 28 | 100 | 1 |
| Fe | 20 | 20 | 100 | More than 10 times |
| Ni | 25 | 25 | 100 | More than 10 times |

1. The sputtering current increases as the vacuum increase.
2. In order to protect the coating machine, the Sputtering current shall be less than 40mA, the Coating time shall be less than 300s.