

DESIGN AN AUTOMATED PLATING PROCESS

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ABSTRACT

The project title “Design an Automated Plating Process” shows that hid project is aim for designing a process lin. Within the content of this project, 4 different parts are categorized. Chapter 1 introduce about plating process. This design is compared with the conventional plating process line. The objective for this design is also being stated. By comparing with conventional process, the advantages for this design can be shown clearly. The second part of the project, chapter 2, shows how the mechanical design for the process line. The main components are water bath, frame work, motor and chain drive mechanism. Each component is being described from the materials selection until the dimension and specification of each component. Inchapter3, the assembly and installation of all the components is being described. Chapter 4 analysis and show the final project outcome. The dipping time required in this project is obtained and also the efficiency of the productivity. A final conclusion is made in the last part of my project, chapter 5. The limitations are stated and some future improvements are also assumed in this section.