

ARC WELDING USING A ROBOT ARM

Project Report Submitted by:

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S U M M A R Y

This project consists of two parts:

The theoretical part which consists of the first four chapters, a report that made is referred to the robots as applied in the manufacturing industry.

The second part which is the practical part deals with the application of arc welding robots in industry.

Chapter six introduces the HITACHI M6100 PROCESS ROBOT.

Chapters 7,8 and 9 analyses the method of programming and also the use of the peripheral equipment.

The fixture construction is issued in Chapter 10.

Chapter 11 contains the program of the robot to execute a certain task, as was the third objective of this project.

Furthermore this second practical part analyses the economic view of the aspect and also evaluates the efficiency of the machine.

Some recommendations for better operation of the equipment are produced in Chapter 13.

The conclusions of the work done are provided in Chapter 13.

C O N T E N T S

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