Thesis Title

Dispenser By Using Neural Network Control

Thesis Credits

12

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## **Abstract**

Network to control the jet dispensing system. We bring the jet dispenser, which widely used in factories and industrial sectors to develop capacity in dispense controlling on a consistent level through the whole application. The Neural Network will be trained by using the samples of its different signals defined as reference values to compare with feedback signals from the pressure sensors. Meanwhile, the different signals we used for training comes from the experiment of dispensing and parameter value really used at work. Then we bring the Neural Network, which has already been trained together with suitable different signals to control jet dispenser system in order that the Neural Network can figure out the control signal of suitable quality for the system. Finally this results in dispenser system controlling on a very good level. Though the value of parameter changes from real working or from training for Neural Network, it can control dispenser system to be in line with acceptable level and more importantly we are not required to train again if the Neural Network has been changed.

Keywords: Neural Network / Samples of Different Signal / Jet Dispensing System