

SIMULATION OF A ROBOTIZED PLASMA CUT OPERATION

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Abstract: This paper presents the off-line simulation of a plasma cut operation made by a robotized work cell. Also will be presented the robot environment and cad models required to constitute the work cell. Simulation will be made by ABB's programm, "ROBOT STUDIO". To exemplify, for this application will be used ABB's robot, "IRB2400".

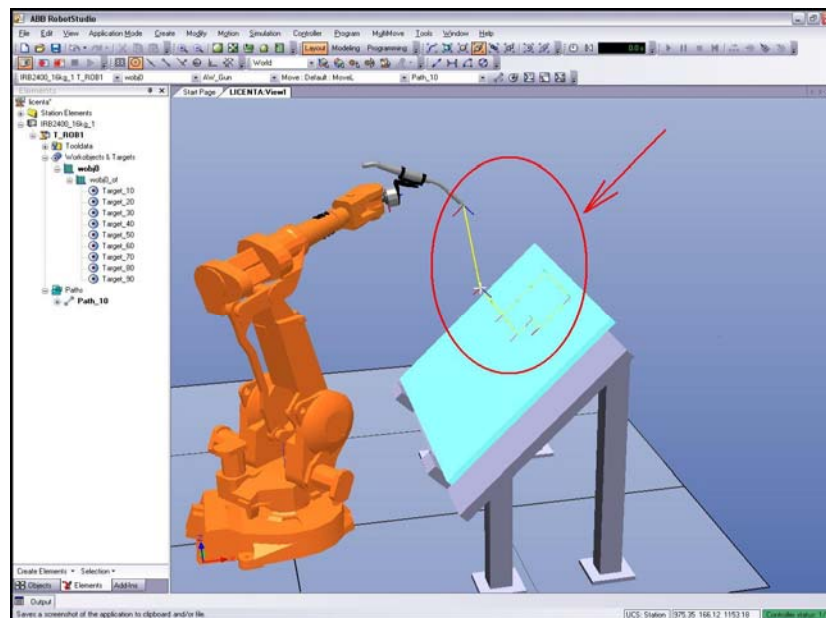


Figure 1: plasma cut work cell

CONCLUSIONS

This application proves the economic efficiency of the software. We made all the tests to get the robot on the right position and on right path in an relatively short time, without losing any materials, energy savings.

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