



Rafik Mrad

Rocks Saw Project

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PROJECT :

We built a low cost automation system for an automated rocks saw. We used a SIEMENS SIMATIC S7-200 Automation System , Incremental Rotary Encoder fixed on the gearbox and a low cost standard drive, a SIEMENS SINAMICS G110. We achieved a 0.01 mm resolution and precision which is a great result for a rocks saw project.

HARDWARE & SOFTWARE USED:

- SIEMENS SIMATIC S7-200 Automation System, I/O modules (Digital, Analog and Thermocouple) & SIMATIC STEP 7 Micro/Win Configuration Software
- LIKA rotary incremental encoder
- SIEMENS SINAMICS G110 Frequency Inverter
- TD200 Micro Operator Panel

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