Project title:

Development of the process for rubber gasket fabrication using a mechanical plotter and laser cutting

Abstract:
The project concerns preliminary research and the development of a process for cutting rubber gaskets. The preliminary research includes background research on material characteristics, formulation of the research strategy and the approach, identification of the alternative approaches (waterjet, oscillating knife, etc.), safety measures, and risk assessment. The range of materials includes but is not limited to fluorinated rubber (FKM and FFKM), silicone rubber (VMQ, MVQ), nitrile butadiene rubber (NBR), and ethylene propylene diene terpolymer (EPDM). The project aims to develop a process for gasket fabrication that is compatible with the redox.me assembly line and product requirements.

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