

Client: Dr. Dorina Mihut

Project: Create an Adhesion Tester

The aim of the adhesion tester is to measure the force of the adhesion of different coatings to a substrate. It will be used to evaluate the adherence between two different materials. For example, it will measure the adhesion of different paints to a metal, wood or concrete substrate and determine the best paint for a substrate. Other coatings could be also evaluated. There could be different designs for the adhesion tester, according to standards. It will be operated by a hydraulic (or compressed air) pump that will have the possibility to apply a continuous, measurable pressure.

Budget \$300

Disciplines: Mechanical, Industrial, Electrical, Computer