

COMPANY NAME

INDUSTRIAS SALUDES S.A.U.

**CHALLENGE SHEET****CHALLENGE CODE**

06.1 Industrias Saludes

TITLE

SILK-SCREEN PRINTING-BAKED LICENSE PLATE LINE

DESCRIPTION

The production system for the manufacture of license plates consists of several phases, one of which is the black silk-screen printing + baking of the plates. The production process is carried out manually by an operator who obtains the plates and manually silkscreens the plates in pairs, depositing them later on a system of racks. Subsequently, these carts are introduced into the oven where they are subjected to the baking process with the characteristic curve. This drying treatment produces a bottleneck in the production of the plates and does not allow an improvement in the hourly production.

HOW COULD WE

It is necessary to implement an automatic screen printing system for the plates with a continuous supply of plates by means of conveyor belts passing through a continuous oven. This dimensioning must take into account the curing times necessary for the plate to come out dry in perfect condition to be able to continue the following production process.

SELECTION CRITERIA

Implementation ideas, cost, physical dimensions and payback time will be evaluated.

TARGET INDICATORS

- Hourly production achieved.
- Payback period.

REQUIREMENTS

Drying characteristics and quality OK will be evaluated.

CHALLENGE TYPOLOGY
 Process

 Technology

 Business

 Product
KEYWORDS

Automation, Screen Printing, Plates, License plates, License plates.