

DESIGN AND DEVELOPMENT OF TECHNICAL SYSTEMS FOR WOOD PROCESSING MACHINES IN THE FOOD INDUSTRY

Goal of the project

Technologically and constructive design of the components of a wood stick milling machine for increasing productivity and reducing the dust resulting from the manufacturing process

Short description of the project

The project involved the establishment of constructive solutions and the selection of materials for the systems of a wood milling machine used in the sticks production for the food industry.

Project implemented by

Faculty of Mechanical Engineering
Department of Materials and Manufacturing Engineering

Implementation period

July–November 2018

Main activities

The main activities of the project are:

- Constructive design of wood sticks milling machine systems;
- Selection of the materials for the designed parts;
- Technological design of the parts of the wood milling machine;
- Drafting up the technical book of the wood milling machine.

Results

1. The technical documentation required for the manufacture of a wooden stick milling machine has been made.

Applicability and transferability of the results

The results obtained allow the production of a wood stick milling machine of high productivity and low dust emission.

Financed through/by

SMART WOOD ROMANIA SRL

Research Centre

Research Center for Processing and Characterization of Advanced Materials

Research team

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