



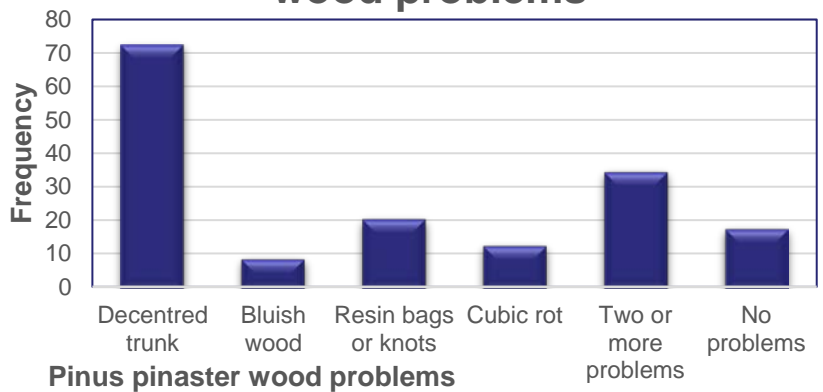
Study and improvements in the processes of Maderas Groba sawmill

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Resume: The objectives of this work are to understand and analyse the processes of Maderas Groba, from the arrival of the logs until the sale, also analysing the problems of sawing the *Pinus pinaster* which is the most sawn wood species there and trying to propose improvements of the more relevant processes in this sawmill.

Frequency of the Pinus pinaster wood problems



The first step was to understand the raw material and the main processes of the sawmill for the following proposals.

As you can see in the graphic, the main problem of the logs are the decentred trunk, this will be a problem for the saw. In the processes, the main aim was to fix the problem of the deformation. Because of that, there was an improvement in the main saw, the filling of the drying kiln and the package classification. Besides, it will be a great improvement for the factory, the implementation of a conveyor belt for the multiple sawn and edge badging.

