

ABSTRACT

FRAMEWORK MAKING PROCESS IN CHOPPER MACHINE OF TOBACCO LEAF

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The purposes of this project are to know the material that used in framework making process, to know framework making process, to know the total time that needed to make framework and to know framework function and the machine performance.

The stages of this project were : (1) identifying the worksheet; (2) identifying the material; (3) identifying tools and machine that needed; (4) make cutting plan; (5) cutting material; (6) drilling material; (7) welding; (8) finishing; (9) function test; (10) performance test.

Based on framework making process in chopper machine of tobacco leaf concluded: (1) preparation process in framework making process were material preparation, tools and machine preparation and check the completeness of the machine and tools that needed; (2) tools and machine that were needed in framework making process were welding machine, drilling machine, grinding machine, hand grinding machine, air compressor, roll meter, elbow ruler, steel ruler, pointer, etcher, hand saw, vise, hammer, file, and spray gun; (3) framework making process was beginning from making cutting plan in material that was cutting and drilling material, welding process and finishing process by painting; (4) total time that was needed to make framework in chopper machine of tobacco leaf was 24 hours and 26,2 minutes; (5) the result from framework function test and performance test showed that the framework was work well and could hold another component of chopper machine of tobacco leaf, framework can meet the criteria of comfort because it was properly for human body posture, the capacity of chopper machine of tobacco leaf was 1,09 kg/minute or 65,4 kg/hour, had interesting shape and paint, the length of chopped leaves was 2 mm and the chopped was good. Tobacco leaf with 0,5 kg weight was not chopped because of safety factor.

Key word : Framework, Tobacco