秸秆丝化机锤片参数的优化设计

Optimized design of hammer parameters of the stalk threading machines

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中文摘要：

目前市场上秸秆丝化机机型众多，但存在消耗功率较大，生产效率低，丝化质量差等问题。为了对秸秆丝化机的主要参数设计提供理论参考，该文通过正交试验的方法，并借助计算机统计分析软件，研究了新研制的9JST-20型秸秆丝化调质机样机性能指标的影响因素，获得影响丝化性能指标的主次因素及影响规律。

英文摘要：

There are multi-model threading machines in market at present, but in order to reduce the cost of manufactured goods, the parameters of machine are designed by experience only, therefore, the problems of larger power consumption, lower efficiency, worse threading quality are emerging. Through the method of orthogonal experiments and computer statistic analysis software, the factors affacting the threading performance target of a new 9JST-20 type of stalk threading and mixing machine were studied, so as to provide the theoretical foundation for the development and production of the stalk threading machine. Through the experimental study, the main and subordinate factors and the influence rule on the threading target were obtained.

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