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TO DEVELOP MEASURES AIMED AT IMPROVING THE PERFORMANCE AND EFFICIENCY OF VERTICAL SPINDLE COTTON PICKING MACHINE PICKING PARTS

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Abstract
The mechanical cotton picker is a machine that automates cotton harvesting in a way that reduces harvest time and maximizes efficiency. To develop a mechanical cotton picker with the intent on replacing manual labor.

Keywords: cotton fibre, cotton harvesting, cotton fibre properties, cotton fibre testing, pneumatic cotton picking machine.

Introduction

The rise of the agrarian sector is the main factor and source of economic development of Uzbekistan. The share of Agriculture is more than 35% in national income, more than 60% in the volume of exports. The agrarian sector accounts for a quarter of the country's gross output, with more than half of its production and usual capacity directly related to this sector. Therefore, the development of Agriculture is an extremely important task of the present time. This is due to the strengthening of its material technical base, taking into account the large-scale production of cotton agriculture. The use of machines in agriculture increases labor productivity, makes it possible to carry out all work in the most favorable terms, strictly adhering to the requirements.

The cassette, which absorbs the cotton-covered spindles in a steep direction (in place of V) between the branches of the goose, sharply turns to the side earlier in the vs interval, accelerating the rotation of the spindles. Due to the increase in radial forces from the center, cotton-soaked street sweepers are removed from the window 5 to the outside, which means that the cotton is cleaned of debris.

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The following is a diagram of the growth of the indicators obtained from the calculation of the productivity of the tailoring operation of the vertical spindle Cotton Machine on the base of the TTZ-LS tractor (Figure 1). It is based on the technical-operational nominal figures fixed in the process of exploitation of the cotton field to this PTM 0.4.

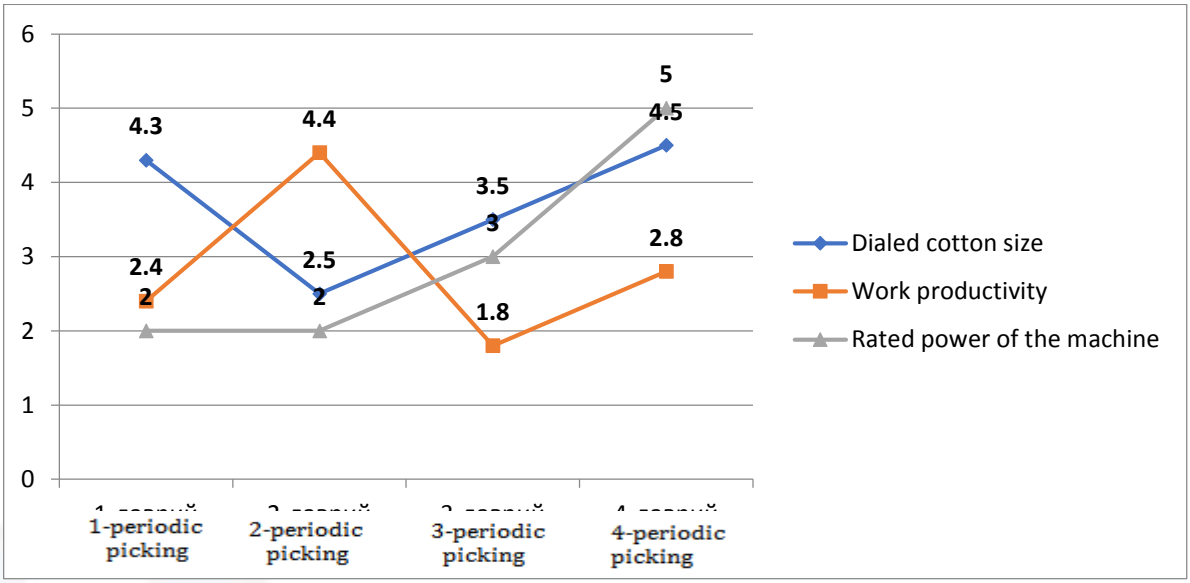

Figure 1. Diagram of the deviation of the indicators obtained from the calculation of working productivity of the tailoring operation of the vertical spindle Cotton Machine on the base of the tractor TTZ-LS

With the aim of improving the performance of vertical spouted pouch filling machine, we are able to examine the offered range of vertical spouted pouch filling machine in accordance with the results of the carried out research.

Table 1. Serially produced VSH PTM device principal indicators

Dimensions group order number	Operational weight, kg	Main power, t/kg.c.	Geometrical volume, m³	Constructive category
0	3	10-40	0,1	II
1	5-6	30-50	0,15-0,4	I
2	8-9	40-60	0,25-0,6	IV
3	10-12	50-80	0,3-1,0	II
4	19-30	80-130	0,65-1,6	-
5	30-40	100-200	1,2-2,5	I
6	55-60	200-350	1,6-4	V
7	80-100	300-500	2,5-6,3	-
8	100-160	400-800	5-10	-

The conclusion can be said that if we isolate the PM position with a hermetic construction, we will find some conveniences.

The resource of the proceedings is a toothed gilding and the resource of teeth wheels increases in several times. The broken-downs are reduced, the coefficient of performance of the proceedings and the coupling parameters are increased because of the bearing of the pitched and binding environment.

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