

Study on Computer Embroidery Industry based on the Characteristics of Henan Rural Labor Force

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Abstract

According to the investigation on the characteristics of rural labor force in Henan Province, it is considered that the labor force in Henan is losing a lot and the quality of labor force is low, so it is urgent to solve the employment situation. This paper puts forward a new idea of developing the secondary industry, which can attract the computer embroidery and home textile manufacturing industry in coastal areas to transfer to the central region, meet the demand of productivity and labor force, form a characteristic industrial chain in the rural areas of Henan province, drive a large number of production posts, attract labor force to return to the province, and promote economic development by taking advantage of transportation advantages.

Keywords

Rural Revitalization; Labour; Computer Embroidery.

1. Introduction

Henan has a dense population and abundant rural labor resources, but the population loss is large, human resources have not been fully developed, and the quality of labor force is low. Therefore, it is urgent to form a characteristic industrial chain, increase the number of enterprises, and promote employment. Computer embroidery machine is easy to operate, automatic production, all models adopt automatic microcomputer control system, high reliability, computer embroidery characteristic industry for henan rural revitalization provides a new idea.

2. Henan Province Rural Labor Force Present Situation

Henan province belongs to the central Plains, with a dense population and abundant rural labor resources. According to the seventh national census, as of midnight on November 1, 2020, the total resident population of the province was 99.366 million, accounting for 7.04% of the national population, ranking the third in China. The population aged between 15 and 59 was 58.413 million, accounting for 58.78 percent. The population density of Henan is 595 people/square kilometer, 448 people/square kilometer higher than the national average. It ranks 8th among the 31 provinces, autonomous regions and municipalities in China and 1st among the six central provinces. It has a large and dense population base and abundant labor resources.

In Henan, for every 100,000 people, there are 11.67 million people who have received college education (college education or above), 15.142 million people who have received high school education (including technical secondary school education), and 15,467 people who have received college education for every 100,000 people in China. The population with high school education (including technical secondary school) is 15,088. Compared with the whole country, the cultural quality of henan labor force is low.

According to the results of the seventh national census, the outflow of population from Henan province to other provinces in 2020 reached 16.1009 million, an increase of 5.9545 million

compared with the sixth national census in 2010. This reflects that Henan labor force population loss is large, human resources have not been fully developed.

According to the "2019 Human Resources and Social Security Development Statistical Bulletin of Henan Province" released by the Provincial Department of Human Resources and Social Security, by the end of 2019, there were 65.62 million employed people in Henan province, including 21.45 million urban employed people. Among the employed persons in the province, those employed in the primary industry accounted for 34.7%; Employment in the secondary industry accounted for 29.2%; Employment in tertiary industry accounted for 36.0%. It can be seen that the labor force in Henan province is mainly rural employment, and the level of cultural quality is low.

According to the data source of the National Bureau of Statistics, from the perspective of industrial structure, the added value of the primary industry in Henan province in 2020 was 535.37 billion yuan, accounting for 9.7% of the GDP of Henan Province. The added value of the secondary industry was 2.28753 billion yuan, accounting for 41.6% of the regional GDP. The added value of the tertiary industry was 2,676.8 billion yuan, accounting for 48.7% of the regional GDP. It can be seen that Henan's secondary industry has a larger development space and a better development prospect.

According to the research, on the whole, rural female labor force lags behind rural male labor force and urban female labor force in quality level, employment situation, income level and other aspects. According to the survey, the labor force left behind in rural areas engaged in agricultural production is mainly female, generally low level of education, basic no skills, expertise. But these women are industrious, practical operation ability is stronger, for the survival of the urgent need to master skills. It is urgent to construct labor force training mechanism and improve rural women's production skills.

3. Introduction to Computer Embroidery

Computer embroidery machine is a new mechanical embroidery technology, with high speed, high efficiency, but also to achieve the traditional embroidery industry can not achieve the "perfect, unity, multifunctional and multi-level requirements. This is a kind of mechanical and electrical products can reflect a variety of advanced science and technology at the same time, its high yield, high efficiency, high speed characteristics, can save a lot of time cost for work. Manual embroidery has gradually been replaced by automatic production of computer embroidery, computer embroidery machine to become the main type of embroidery industry is expected. Embroidery models and styles are diverse, which can meet customers' requirements of multiple types, multiple scales and multiple levels.

Computer embroidery machine has the following advantages: 1, with liquid crystal display screen, simple operation. 2, its computer storage system has a huge capacity, can store a variety of patterns, is conducive to improve work efficiency. 3, In order to meet a variety of needs, it has the function of pattern adjustment, pattern can be adjusted in any direction. 4. Patterns stored in the computer system can be arbitrarily edited for easy modification. 5, can be repeated embroidery. These advantages of computer embroidery machine can greatly promote the development of embroidery, and improve the effect and accuracy of embroidery.

The computer embroidery machine is easy to operate, and all models adopt microcomputer control system which can be automatically controlled to realize automatic production, with high reliability, which is suitable for rural population employment, especially for rural women who need to improve production capacity.

4. Computer Embroidery Provides New Ideas for Henan Rural Revitalization

4.1. Computer Embroidery Industry can Attract Employment

A large number of people choose to go out to work in Henan province. The population advantage has not been fully utilized. In addition, although there is a large population, there are few posts, and the economic development of Henan has been affected to a certain extent. Therefore, it is urgent to form characteristic industrial chain, increase the number of enterprises and promote employment. Computer embroidery complete industry chain, from raw materials to processing and then to the whole assembly, need a large number of labor, can provide a large number of posts. According to the National Bureau of Statistics data sources, Henan labor inflow, multidirectional coastal cities in Zhejiang province and Guangdong province and also is a computer embroidery industry development is the most prosperous of the two provinces, the Henan rural areas to build the chain embroidery, not only can attract back to save labor, promote rural employment, increase their income, It is also in line with the policy of attracting manufacturing from coastal areas to the central region. At the same time, Henan's abundant labor resources can play an important role in the development of computer embroidery home textile manufacturing industry.

4.2. Relying on Zhengzhou Railway Traffic and Yangtze River Delta Water Transport

Computer embroidery products are mostly exported to foreign countries. According to the analysis data of embroidery industry, the export volume of embroidery products from January to December in 2019 was 60,502.3 tons, and the export value was 652,0011 million DOLLARS. As the national transportation hub, Zhengzhou has developed railway transportation. Relying on Zhengzhou railway transportation, goods can be transported to Yangtze River Delta and then exported to foreign countries through ports in Yangtze River Delta, which not only gives full play to Henan's population advantage, but also can carry out trade by virtue of good transportation.

5. Looking Forward

Computer embroidery industry has a broad prospect and the market demand is increasing day by day. Developing computer embroidery characteristic industry is a new way of rural construction in Henan Province. The complete industrial chain of computer embroidery can drive a large number of production posts, meet the demand of a large number of labor forces, and at the same time help attract the manufacturing industry from coastal areas to the central region. For Henan rural areas, the development of secondary industry is a great opportunity to promote employment and economic development.

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