

### ENERGY SAVING SCREENING METHOD FOR INERT MATERIALS

\*<sup>1</sup>Murtaza Shavkidinovich Toirov and <sup>2</sup>Tulkin Ishanovich Askarhodjaev

<sup>1</sup>Senior Teacher of the Chair "Technology of Machine-Building" at Navoi State Mining Institute, Faculty of Energo-Mechanics.

<sup>2</sup>Professor, Doctor of Technical Sciences of Tashkent Institute of Design, Construction and Maintenance of Automobile Roads.

Article Received on 14/01/2019

Article Revised on 04/02/2019

Article Accepted on 25/02/2019

**\*Corresponding Author**  
**Murtaza Shavkidinovich**  
**Toirov**

Senior Teacher of the Chair  
 "Technology of Machine-  
 Building" at Navoi State  
 Mining Institute, Faculty of  
 Energo-Mechanics.

#### ABSTRACT

**Annotation:** Reducing electricity consumption, improving energy efficiency, manufacturing products using compressed air, reducing production costs, producing competitive products.

**KEYWORDS:** Globalization of the world, hydrocarbon compounds, electric energy, compressed air at industrial enterprises, mining industry, mills, sieving, MaP (maintenance and repair), aggregate, Vibrating screen.

Over time, there is a globalization of technology, as well as a scientific and technological revolution.

The countries of the former Soviet Union, as a result of this globalization, determine their own development, their development and retain their science and progress after the globalization of the world.

Since our independence, our homeland has established the path of self-determination and continues its path of development. This can be seen through simple insights and observations in various industries of any engineer.

Thus, although the globalization of the modern world is quickly rooted in the development of our republic, we observe how many industrial enterprises of the republic are exploited only because they are introducing new technologies into industrial production.

During the operation of industrial equipment, we see that this new advanced equipment from the developed countries of the world is distinguished by high quality, energy efficiency, durability and durability.

The main percentage of industrial equipment in the country's enterprises came in the 1960s, when equipment and technologies were outdated, energy efficient, and enterprises fell one after another due to the fact that their products could not compete with the global market.

The current demand is that an engineer consisting of high-tech industrial equipment operating and operating high-quality products that meet international standards makes the engineer have a comprehensive idea.

Electricity is the heart of these industrial enterprises, and the industry without electricity cannot be imagined. Given that hydrocarbon compounds are used to generate electricity, the high cost of hydrocarbon brakes in the global market has had an impact on the electricity produced in our country.

Whether it is a industrialized country, or a low or medium-sized industry, it still has some difficulties and challenges to delivering electricity to the system.

Loss of electricity generated at industrial enterprises, resistance to electrical equipment and transmission lines is one of the prior issues of global electricity generation.

Renewal (renewable energy) uses renewable energy, but not all countries are able to generate electricity, and only renewable energy sources can be produced if the state has the potential to produce alternative energy sources using state-of-the-art nano-technology.

The fact is that in the case of a country which is known to us from the practice of using renewable energy sources in electric power industry or generating electricity from high technology (nuclear energy), the country produces electricity from the production of electricity it is cheaper.

The use of non-renewable energy sources in the industry, along with generating a large amount of cost, leads to the cost of electricity costs. Our Republic also utilizes extensive hydrocarbon spraying in electricity production.

It is well known that the factories in our country sell competitive energy and sell it to the world market, which does not provide for the planned and unplanned financing for industrial enterprises, but for low profit.

So, in order to reduce energy consumption in the industry, to produce less energy-intensive equipment, the effectiveness of the enterprise's economy will increase, which will significantly affect the economy of the country.

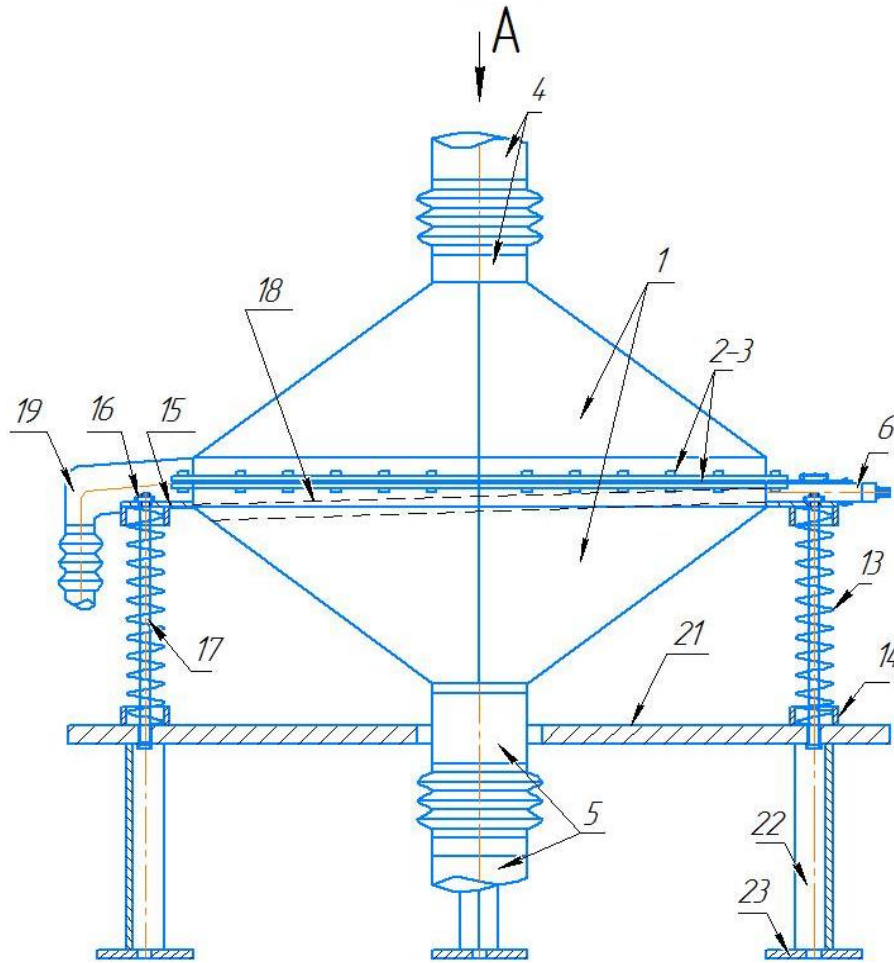
To do this, we can contribute to the cost savings by utilizing the 5-10kg / cm<sup>2</sup> compressed air power generated by the industrial enterprises to produce the product or using this effective technology in running the current technology.

An example of this is the fact that in the mining industry, after technological process, the process of sorting process of crushed crushed cultures from stepwise to diffraction machines, processing of processed cereal products in the grain and flour production enterprises, from unnecessary waste treatment and from mills The next technological process can be used to separate bran.

In the selection of phospharid deposits, the filtration of phospharide raw materials, the production of feldspar or concrete mix in the construction of crushed stone, gives the convenience and good effectiveness of the use of electric power, which is far from the power line or limited to some reason.

The use of crushed rock crusher for crushing plants from the crushing plant for the building industry will help to save energy.

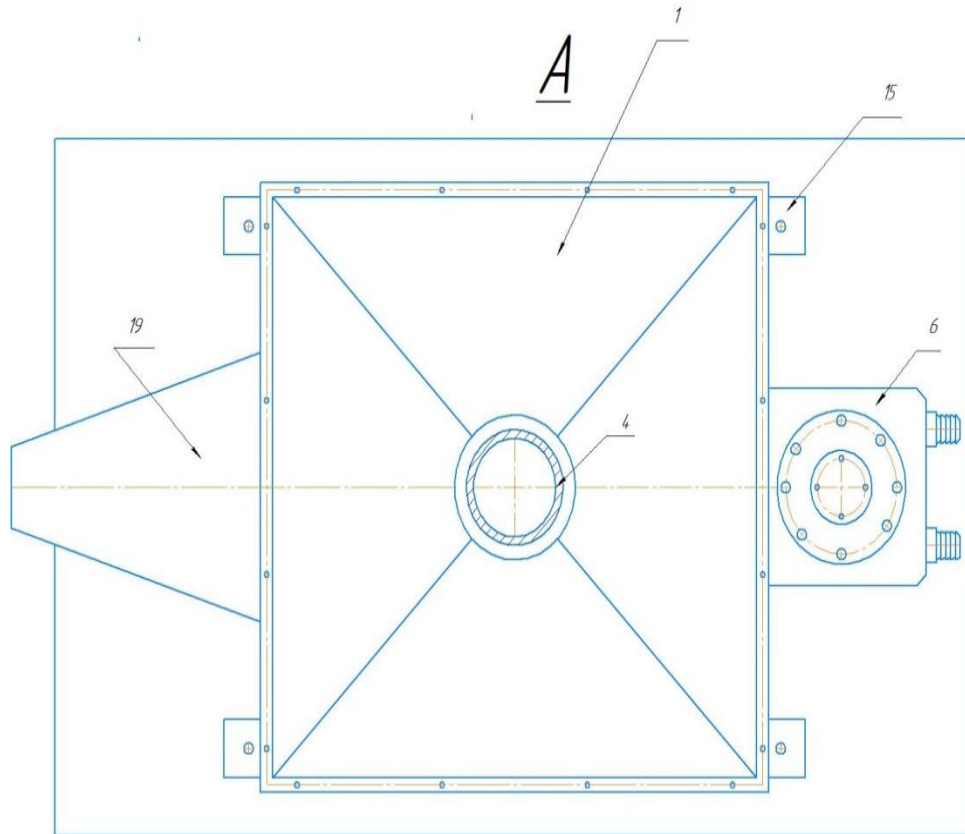
By using this efficient technology, we will be economically faster and lower the product cost.



**Structure of the appliance:** For the fitting of the two-piece cores and external perimeters, easily separated from the aggregate, 18 electrodes are selected on the inner surface (GOST 5017-74), consisting of goggles for installation on the pad.

The body consists of welded joints (GOST 5520-79; GOST 1050-74). The air conditioning vibrator is mounted on the corridor with a set of 6 pinwheels installed in 6 sets and 4 classrooms (GOST 13772-86 V.I Anurev 3, p.235).

The above 4 position is transmitted to the 18th position on the camcorder, the selected product is transported to the carrier via the 5-position cameras, the non-selectable product from the 18th position is shifted to the 19-position milling grinder, the 2-3 position is used for the sealing of the device a flat surface for installation, a 6-position compressed air-vibrating device provides vibration,



The 13-position springs provide smooth vibration of the device, the 14th position is the 13th position, the 15-position aggregate is positioned on the 13th position, the 21st positioning maintenance stand, the 22 position position, the 23 position metal plates that prevent the foot from scratching the ground due to weight.

In this working diagram, we see an overview of the Vibrosito device. This machine has the ability to select a product which vibrates in a compressed air pressure of 5-10kg / cm<sup>2</sup>.

At the enterprises with no compressed air complex, the design of these complexes, transportation of networks to the desired location, as well as safer, less expensive, safe working of the power grid, is also a very dangerous unit.

This aggregate will be used to reduce electricity shortages, short circuit in the electricity grid, protect the working staff, and avoid electric shock for their life.

It is desirable to design and install a variety of dimensional tubes prepared from modern electrode compressor compressor, air tank and high pressure resistant polymer products to activate the air compressor unit.

With 5-10kg / cm<sup>2</sup> of air pressure, which generates a compressor, companies can use the same Vibrosito devices for only a dozen hours and are confident that they will be able to deliver their positive performance in industrial production.

The advantage of a compressed air-powered Vibrosito device is that it can be controlled by technological process, which means it can accelerate or slow down, which means its superiority over the electrovibrators.

The cost of the pre-grid equipment, which can be used to control the and control of the electrovibrator device or to control it, shows the full advantage of Vibrosito.

Its mechanical movement is simple and straightforward as parts are required, and the preparation of existing spare parts is not an issue for the enterprise.

Given the high performance of the industry's compressed air-powered Vibrosito, the only reason for this is the low cost of compressed air.

These devices work without noise, which in turn increases the working efficiency of the workforce, and prevents the occupational illness, which is one of the problems that arise with noise.

The purpose of the proposal to use the appliance is to design a simple, carefully designed device that only requires a replacement of rubber sleeves that ensure sealing of bearings and bearings after a certain time on the system.

The instrument body is made of carbon black, and no quality is required for the metal. The Mountain Consortium is also recommended for low, medium or high strength steel for alkali or medium alkali media.

If this equipment is capable of being used in industrial enterprises

- Improved quality of raw materials will be provided
- The cost of production is considerably reduced

- Careful scarce scarcity for enterprises is eliminated
- energy-saving energy
- The company will be able to save the environment

The factors causing the health of the personnel are prevented

- The company will create a cost-effective technology
- Encouraging the company to create cost-effective technologies