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# “EUROINVENT”



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## SCRAPER WITH VIBROMECHANICAL DRIVE

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### Goal:

Simplification of scraper construction, advancement of processing productivity, quality and improvement of working conditions, reduction of energy consumption.



### Solution:

The operator holds the technological tool of the rigid pipe 8 by hand, maneuvering with it according to the processing needs of the semi-finished product 1.

High-precision flat surfaces are manually machined by scraping by highly qualified locksmiths. For example, the machine guides - turning tools are processed by scraping by the most qualified locksmiths for 30... 40 hours.

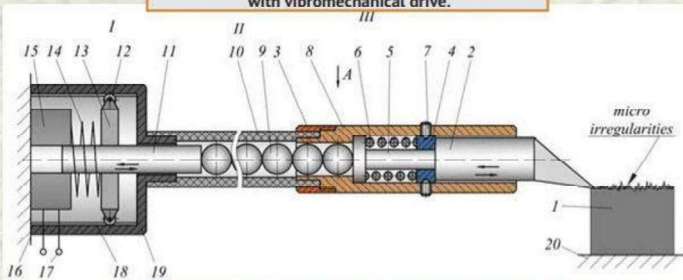
### Advantages:

- ✓ Simplicity of construction;
- ✓ Advanced productivity;
- ✓ Low energy consumption;
- ✓ The possibility of handling the scraper according to the processing needs;
- ✓ Superior quality of the processed surface.

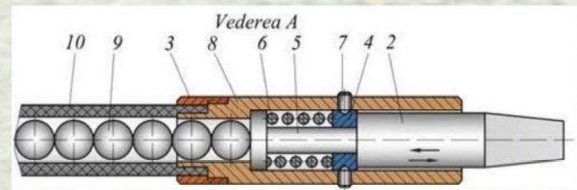
### Stage:

Computerized model.

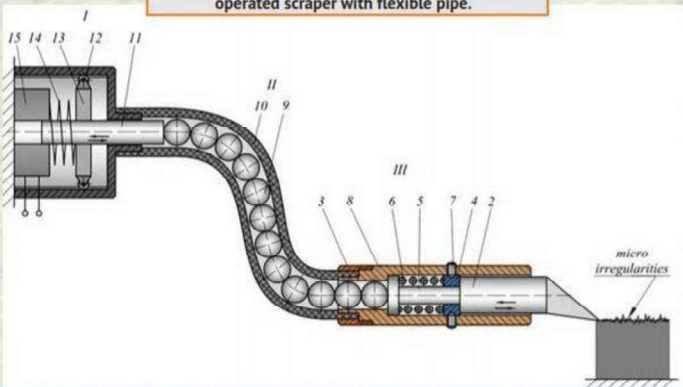
Constructive scheme of the scraper with vibromechanical drive.



View A



Construction diagram of the vibromechanically operated scraper with flexible pipe.



Component parts:

- 1 - the semi-finished product;
- 2 - technological tool; 4 - limiting plate;
- 5 - extension cord; 6 - arc; 7 - disc; 8 - rigid pipe;
- 9 - plastic balls; 10 - pipe; 11 - pusher;
- 12 - guide rollers; 13 - electromagnet core;
- 14 - springs; 15 - coil; 16 - housing;
- 17 - electrical outlet; 18 - guides; 19 - table.

High-precision flat surfaces are manually machined by scraping by highly qualified locksmiths. For example, the machine guides - turning tools are processed by scraping by the most qualified locksmiths for 30... 40 hours.

Using the proposed scraper can reduce the processing time by 6... 10 times. The worker holds the scraper with his hand on the rigid pipe 8 and presses it on the surface of the semi-finished product.