WE CHANGE STRUCTURE OF MATERIAL, WE CHANGE THE WORLD

Metalworking

RNP Technology

celtic nature
power of nature

Nanotechnology systems

Received awards

GOLDEN MEDAL

BRUSSELS INNOVA 2013 – World Exhibition on Innovation Research and New Technologies

SILVER MEDAL

Concours Lépine International Paris 2010

DIPLOMA and AWRAD FROM THE MINISTER FOR SCIENCE AND EDUCATION

prof. dr hab. Barbara Kudrycka

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1. **FUNCTIONING PRINCIPLE**
2. **APPLICATION POSSIBILITIES**
3. **BENEFICTS**
4. **OUR POSSIBILITIES**
5. **ECONOMY**

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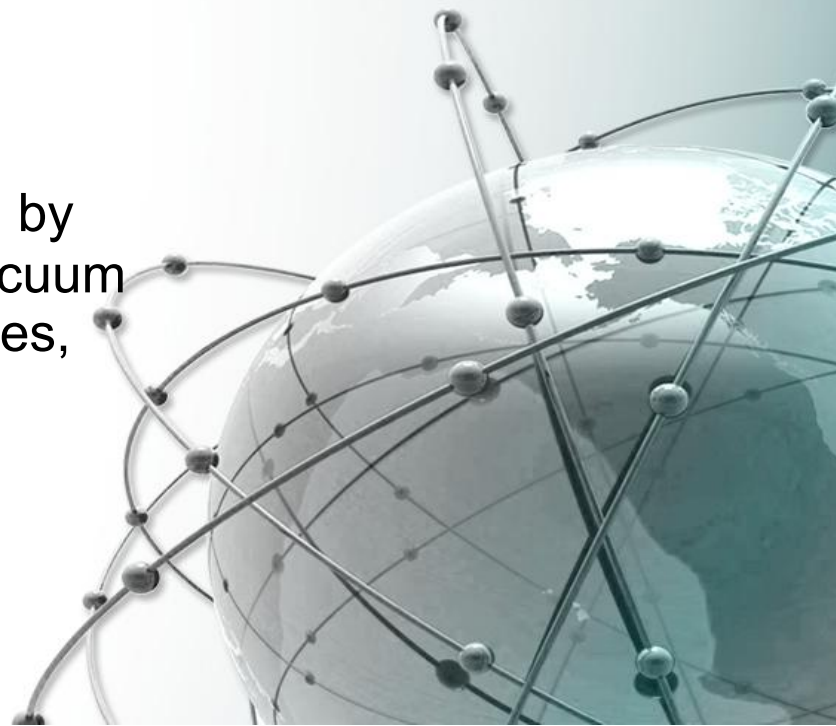
The RNP reactors use principles that originate from NIKOLA TESLA.

Strict choice of precise frequencies generated by reactions in our reactors affect materials in vacuum chamber and arrange the structure of molecules, penetrating depth of up to 10 mm.



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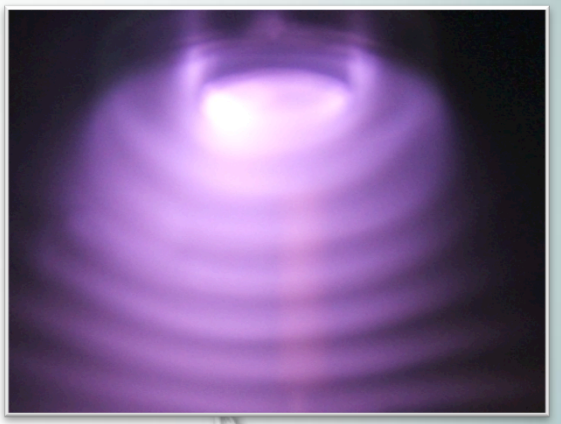
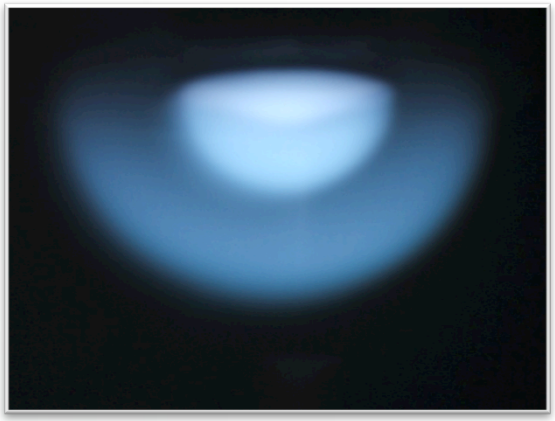
This unique method makes possible modelling of various structures of hard materials (steel, metal alloys, ceramics, diamonds) and liquid, i.e. water.





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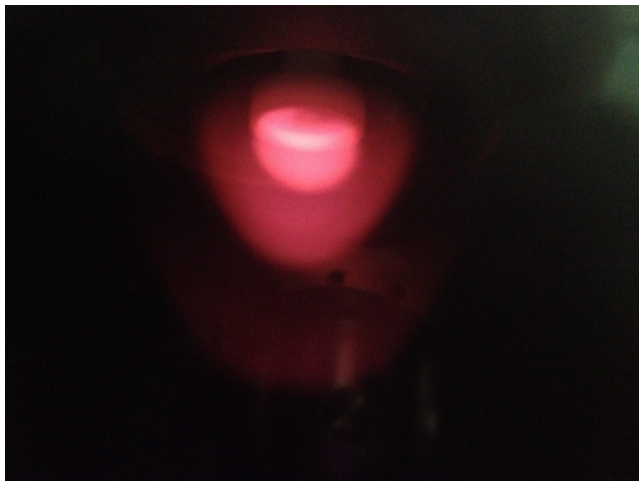
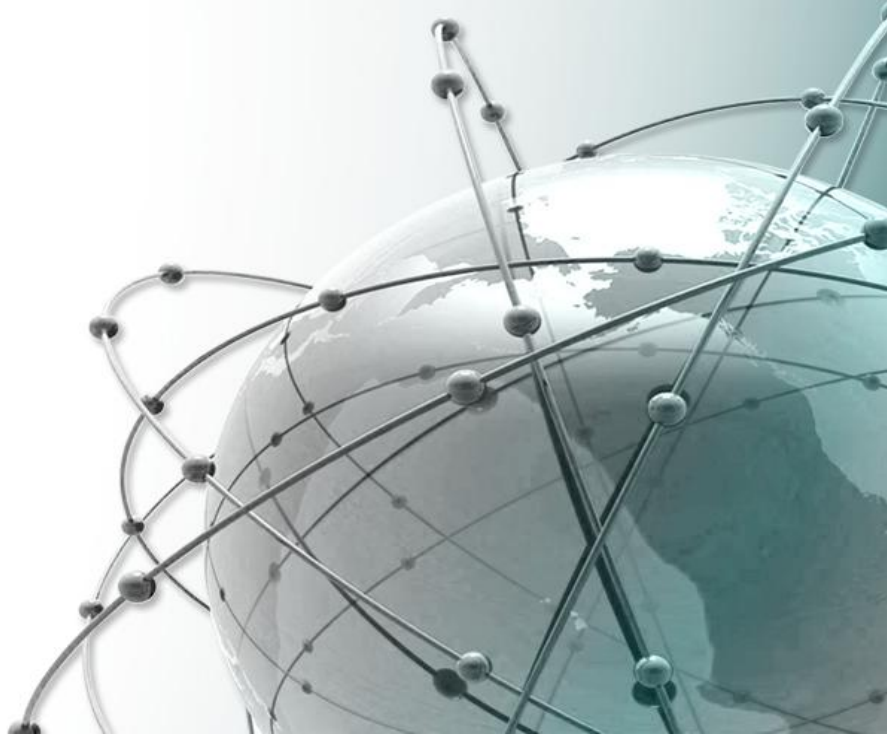
Parameters of materials processed in our reactor are much higher, they draw near the theoretical critical values defined for this material. These values are practically impossible to achieve in classical industrial processes. Our process also dissolves the tension inside the material which was caused by preceding treatment.





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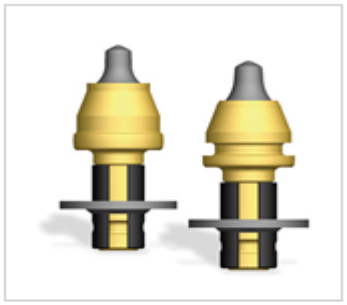
In our reactors we are able to process following material:

- cutting tools and grinding tools (milling knives, saws, tools, screw cutter...)
- stamping tools and matrices
- moulds
- wheels and collars for transportation industry
- all abrasive and rotary parts for automobile an
- drilling equipment heads
- diamonds
- construction parts
- …….. and many more



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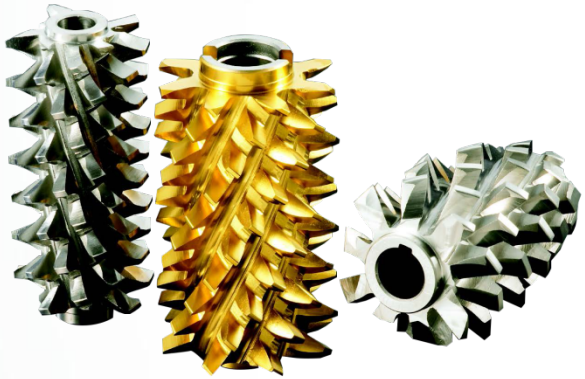

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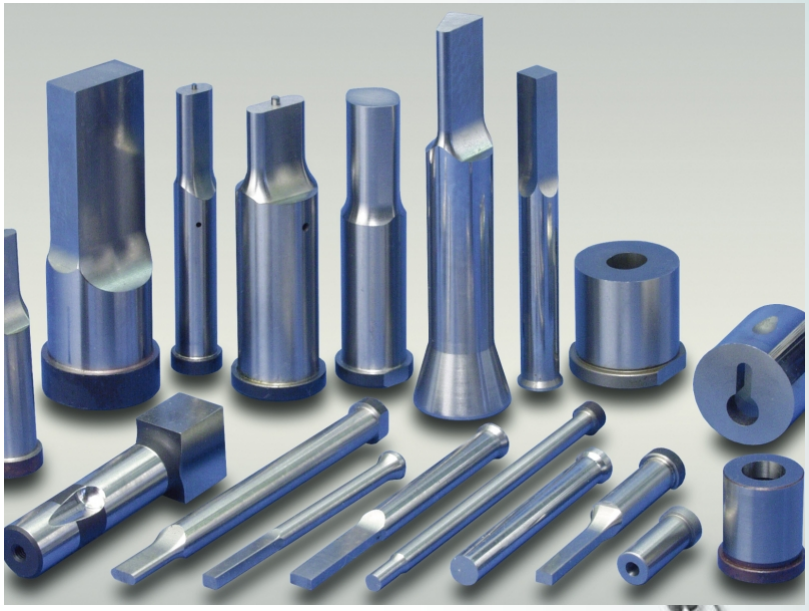

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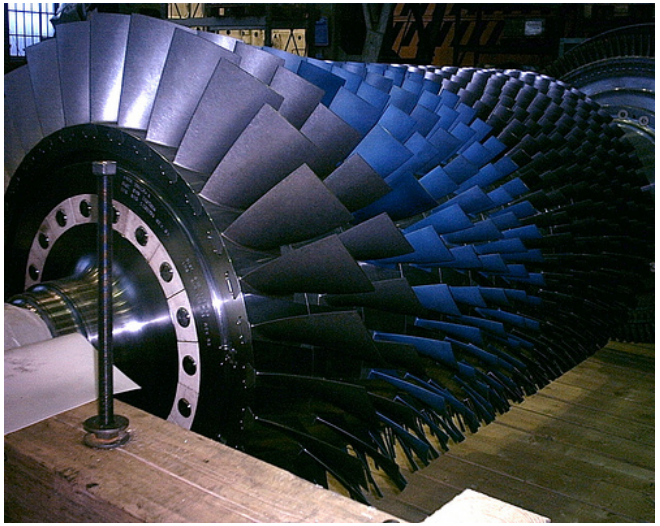

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Benefits:

- Much longer lifespan of tools (objects) from 100% up to 300%
- Reduction of number of breaks in manufacturing processes needed for the exchange of tools and segments.
- Quicker and easier process of regeneration of tools, i.e. re-sharpening, polishing.
- Possibility of replacing expansive tools with cheaper and better ones.
- Absence of any additional surface layers.
- Temperature of the process is 88-95 °C

... and a number of other advantages

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Our possibilities:

For treatment in the chamber we accept objects, which size does not exceed the inner dimensions of the chamber, which is **1200x800x600 mm**

(We are preparing a chamber of 2000x1500x1500 mm)

Technological requirements and limitations:

- Object must be clean, without silicon, lipids and corrosion.
- Penetrated depth up to 10 mm

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Economy:
Costs of the treatment are usually the same as the value of treated object.
The second factor is the quantity of treated objects and abundance of orders.

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We welcome everybody to cooperate with us.

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