

## Expansion of microwaves on Czech roads: FUTTEC's dynamic development is reflected in its new corporate identity and website

The Czech company FUTTEC, which developed a patented microwave system for the year-round, non-invasive and durable repair of potholes on asphalt roads, is changing its company corporate identity and website (where also two brand-new instructional product videos can be found). Their visual concept, adapted to modern trends, reflects (together with the move to new office premises in the Prague administrative complex The Park) the dynamic development of the company. In the past two years, it has significantly strengthened its cooperation with TSK Prague, ŘSD and regional SÚS. It also opened up access to foreign markets by participating in a number of trade missions around the world (USA, Dubai...) or by obtaining a European patent from the European Patent Office. In addition, in June, the FUTTEC development team presented the third, most powerful generation of machines: the "microwave patcher" of the FT3 series and a separate assembly with the FF-9 microwave furnace, which has been used as part of the FT3 equipment until now.

*"In the past two years, we have overcome many challenges that come with working in the relatively conservative road industry. We are very happy that we managed to open our way to non-European markets in addition to Europe: we are finalizing the expansion to the USA, where we have applied for a patent (as well as in Japan) and we are intensively completing preparations for the launch of a test operation of microwave technology here as part of the activities of our American company. In addition, we are preparing for the second presentation of this innovative technology in the United Arab Emirates. At the same time, our team is working intensively on the development of a complex repair ecosystem that will make more use of artificial intelligence and Big Data: thanks to this, we will not only be able to repair potholes with high quality and durability (and keep trackable digital records of this), but also detect in time where their danger arises, and intervene preventively. The repairs themselves will be carried out with a special asphalt mixture for microwave heating according to our own recipe, which we will soon launch on the Czech market," comments Jiří Rušíkvas, founder and owner of [FUTTEC](#), and continues: "And last but not least, we are fine-tuning the overall concept of using the fleet of "microwave patchers" of FT3 series and FF-9 microwave furnace self-contained machine assemblies: these are especially ideal for municipalities that mainly take care of roads of II. and III. classes. We decided to transfer this dynamics into our new corporate identity, logo and website. We want to be memorable for our business partners and clients and make it easier for them to access our services."*

### Dynamics and know-how as the basis of a new corporate identity

The updated corporate identity of FUTTEC, which will permeate through all company materials, is most visibly reflected in the new logo. The red wavy line symbolizes not only the dynamic development of the company, but also its know-how – high-quality non-invasive

repair of potholes using microwave technology. *"The red and black colouring of the logo became the basis for the graphic design of the new website, which thus corresponds with the changed visual identity. When creating it, we were inspired by current trends to increase its clarity and make it more user-friendly. However, our partners and clients will still find here what identifies us the most: information about the unique microwave preventive care system for asphalt roads, about our machines and about the team of professionals, thanks to which these devices can be found more and more often on Czech roads and highways. In addition, two new instructional videos are part of the website and our overall communication, which present our product line in detail and provide clients with a comprehensive overview of microwave technology,"* adds Jiří Rušíkvas.

### **New design of FUTTEC microwave machines**

The fleet of machines with microwave technology is already marked with the new logo – the third (so far most powerful) generation of the FT3 series "microwave patcher" and a separate machine assembly with a FF-9 microwave furnace. **The FT3 series "microwave patcher"** is intended for preventive, non-invasive maintenance of asphalt roads, as it ensures year-round, quick and seamless repair of potholes up to 80 x 80 cm in size: the well-repaired area subsequently regains the parameters of the original road. The entire system consists of a microwave furnace with a removable reservoir for heating the asphalt mixture and from other accessories: a manually guided microwave radiator designed for heating asphalt layers in the area of failure, a steel transport container, and from a vibrating compaction plate. **The FF-9 microwave furnace** can be used not only as a part of a "microwave patcher", but now also as a separate machine assembly. If this device is used separately, it is used for temporary filling of potholes of larger dimensions (i.e. more than 80 x 80 cm) using gently and evenly heated packed asphalt mixture. Using a separate microwave furnace is fast, flexible and economical. However, it does not allow the repair site to be heated (only the delivered asphalt mixture is heated) - therefore the furnace is intended more for repairs of roads of II. and III. classes that are already in worse technical condition. The machine assembly of the FF-9 microwave furnace consists of a cart on which the furnace is located, vibrating compacting plates, power plants and a reservoir for bags with asphalt mixture.

### **You can find out more information about individual machines here:**

- 1) Machine assembly with microwave furnace FF-9: <https://youtu.be/u8l1mPGI8tA>
- 2) "Microwave patcher" of FT3 series: <https://youtu.be/yoaZerWARTc>



### **Photogallery:**

*Machine assembly with microwave furnace FF-9:*



Machine assembly with microwave furnace FF-9:  
(microwave furnace FF-9 on the left)



„Microwave patcher“ of FT3 series

#### **About FUTTEC and its patented microwave technology:**

*The company FUTTEC a.s. was founded in 2011 with the aim of developing a unique system for repairing potholes on roads. The technology, which is the result of many years of research and improvement, was created in cooperation with the Institute of Chemical Processes of the Academy of Sciences of the Czech Republic and VUT Brno. FUTTEC won the Visionaries 2019 award for it in the competition of the same name by the CzechInno association. In addition, it managed to obtain a subsidy of 1.8 million euros from the European Commission under the EU Horizon 2020 program for the commercialization of this innovative technology. FUTTEC is now seeking another EU grant under the EIC Accelerator program.*

*The patented FUTTEC® technology is intended for the permanent repair of potholes on asphalt surfaces on roads, cycle paths and other asphalt surfaces. It works on the principle of heating asphalt mixtures using microwave technology, which ensures deep heating of the repaired area without degradation of the asphalt mixture. The result is high strength and a long service life of the repaired site. Thanks to this principle, road repair can be carried out all year round, i.e. even in winter. Other advantages of FUTTEC microwave technology include speed, flexibility, efficiency and cost savings as well as human resources, environmental friendliness, health safety and transparency (a protocol is created during the repair, which is a warranty certificate for the repair).*

#### **More information:**

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