



FUTTEC
FUTURE TECHNOLOGY

Technical specification



BUSINESS DEVELOPEMENT
Ing. Hynek Schmidt
+420 773 505 339
hynek.schmidt@futtec.cz



OPERATIONS MANAGER
Ing. Václav Mlynařík
+420 602 222 952
vaclav.mlynarik@futtec.cz



SALES REPRESENTATIVE
Ing. Martin Vejsada
+420 725 584 604
martin.vejsada@futtec.cz



www.futtec.cz

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**F3 set with microwave technology
for permanent pothole repair**

FUTTEC FT3 set

FT3 set consist of following components:

- Hook loader container – for transport to repair site
- Power generator – energy source
- Hand microwave generator FT3 with electric drive – heating device of pavement layers
- Microwave oven FT3 – device for asphalt mixture heating



Fields of application

The set is designed for year-round permanent repairs of local defects in the surface and binder course of asphalt pavements or asphalt surfaces (cycle paths, parking lots, rest areas and the like).

Systemic CONTAINER

Length x Width x Height	4370 x 2268 x 2100 mm
Weight of empty container	1 050 kg
Weight of container with equipment	3 820 kg
Load capacity	8 000 kg
Hook loader size	1 000 mm



Hand microwave generator FT3 with electric drive

Length x Width x Height	1880 (2370) x 1440 x 1180 mm
Weight	700 kg
MW generator nominal output frequency	2 450 MHz
MW generator nominal output power	7,2 kW
Nominal voltage and frequency	3+N+PE 400V / 50 Hz
Nominal current	16 A
Maximum input power	11,5 kVA
Equivalent sound pressure level at the operator's site according to ISO 11204	< 75 dB A
Cable length	50 m



Microwave oven FT3

Length x Width x Height	700 x 440 x 1308 mm
Weight	75 kg
Heated asphalt mixture capacity	120 kg
MW generator nominal output frequency	2 450 MHz
MW generator nominal output power	1,2 kW
Nominal voltage and frequency	3+N+PE 400V / 50 Hz



Power generator ENDRESS ESE 30 YW-B

Length x Width x Height	2005 x 948 x 1308 mm
Continuous power (PRP)	30,5 kVA / 24,4 kW
Nominal voltage	380/220 V
Frequency	50 Hz
Weight	496 kg
Fuel consumption	5,8 l/h
Fuel/Fuel tank capacity	Diesel/68 l
Equivalent sound pressure level	66 dB(A)



Standard equipment

- Electric air compressor
- Storage container for asphalt mixture
- Thermo imager
- Microwave radiation meter
- Fire extinguisher
- Mobile Phone / Tablet

Optional equipment

- Vibratory plate
- Portable traffic signs
- Set of hand tools:
 - Shovel
 - Nylon broom
 - Basic toolkit box - screwdriver, pliers, socket wrenches

FUTTEC asphalt mixture

- HRA 8, HRA 11, HRA 16 - hot rolled asphalt mixture supplied at paper sacks