

## Cracksealing machine on trailer **STRASSMAYR RWK 600/500 H** assembled on homologated 2 axle trailer



The Straßmayr RWK H crack-sealing machine is designed for easy preparation and dosage of special sealing compounds for the cracks, joints or road edges. The machine is mounted on a trailer and fitted with all necessary truck connections. The main tank walls are filled with thermal oil, allowing to work with sealing materials heated up to 200°C. The horizontal mixer and heated grill located on the top of the boiler are ensuring constant delivery of the sealing compounds to the applicator lance without the risk of blocking the mixer operation while adding fresh blocks of material.

### Chassis

- European homologation for the trailer allowing registration
- two-axle trailer with overrun brakes
- empty weight of 2 400 kg
- tow bar with hook height adjustment
- hand parking brake
- installation of road lightning

### Main engine

- KOHLER KDW1003
- fulfilling exhaust emission regulation: EPA Tier 4 final and EU Stage V
- In-line 3-cylinder liquid cooled Diesel
- engine power 18 kW
- engine radiator with fan
- hydraulic pump driving all the functions
- hydraulic oil tank with filter and temperature/oil level indicator

### Boiler

- horizontal mixer with hydraulic drive
- providing best temperature equalization in whole capacity of boiler
- providing best mixing of the sealing material
- allowing filling up the material during operation
- possibility of reverse in case of need
- initial grill placed above the mixer
- with thermal oil in the temperature of about 260 deg C flowing inside
- allowing preheating of blocks of material prepared to be added to the boiler
- hard mass blocks are placed on the initial grid, where they are preheated and melted
- allowing quick start of operation with smaller amount of material preheated
- effective amount of the material prepared about 500 l

### Tank for fuel (diesel)

- tank capacity 60 l

## **Oil heating system**

- automatically controlled heating system with RIELLO Diesel burner
- heating pipe heated by heating oil burner (heating the thermal oil)
- heating pipe is located between the walls of the boiler
- protects against overheating of the material heated
- thermal oil heated furnace
- the mass is heated over the entire surface of the walls of the boiler
- capacity between the walls of the thermal oil boiler 185 liters
- pump for distribution of thermal oil with hydraulic drive
- system of three thermostats
- one for thermal oil temperature adjustment
- one for material temperature adjustment
- one for security of the whole system

## **Crack filling set**

- material pump for delivery of sealing material with hydraulic drive
- type of material pump Steimel
- material pump placed inside the boiler
- easy and trouble-free system of dismantling of material pump set
- set for filling cracks
- manual lance for delivery of the material to the spot
- lance equipped with manual valve for opening and closing of material flow
- valve with manual regulation of efficiency of material delivery
- special hose with a length of 4 m
- compressor with a capacity of 80l/min
- with hydraulic drive
- pressed air tank with capacity of 20 liters
- thread connection for connection of special hose when cleaning the pouring set
- allowing easy and quick cleaning of special hose and manual delivery lance

## **Additional equipment**

### **Hydraulic drive for a trailer**

- hydraulic drive with steering gives the possibility of independent movement of the machine at the construction site during the implementation of renovation works
- hydraulic drive for single front wheel
- speed 0 - 3 km / h, infinitely variable
- first axle of trailer lifted by self-drive of the machine on the jobsite
- hydraulic steering wheel located in the rear part of the machine
- steering of the driven wheel with hydraulic cylinder
- operator seat

### **Installation of edge sprinkling**

- spraying ramp with 3 nozzles, max spray-width of 120 mm
- ability to enable the individual nozzles
- manual adjustment of pressure in the beam spray
- spraying ramp heated with thermal oil
- spraying ramp with manual slope adjustment

### **System of night-heating of thermal oil**

- utilizing a two-stage Riello burner
- separate thermostat for night heating control
- 230V wall plug connection to power the burner

### **System of additional heating of special hose**

- 24V electric system of heating of special hose
- dedicated generator with hydraulic drive
- allowing heating of special hose up to temperature of 180°C

### **System of jobsite lights**

- 2 LED lights assembled on special frame, lighting the area behind the unit
- adjustable distance between the lamps
- all necessary required electric connections