

# EMULSION SPRAYER STRASSMAYR TS GOLD

ready for assembly on the truck carrier  
with computer operation system



**Strassmayr Gold emulsion sprayer is designed for high precision emulsion spraying on big surfaces.** Gold equipment line ensure comfort and easy control of all machine functions automatically. Speed addicted spraying and fully automated cleaning installation makes each spraying job quick, precise and easy. Operator has full control of machine functions on the touch panel in the truck cabin.

Models available in Gold line:

Model	TS 4 000 Gold	TS 6 000 Gold	TS 8 000 Gold
Capacity of emulsion	4000 l	6000 l	8000 l

### 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  
driving all the functions  
hydraulic oil tank with filter and temperature/oil  
level indicator

### Emulsion tank

steel structure, painted, insulated with 100 mm of  
rockwool, covered with stainless steel sheets

elliptic profile of the emulsion tank for lowering the  
center of gravity

emulsion tank filling indicator at the side of a tank  
emulsion output connection with fire tip  
gravity release in case of emergency  
ladder allowing entrance on the emulsion tank  
structure

### Engine compartment

made of steel structure, placed in the rear of the  
unit, equipped with two independent shutters to be  
operated manually

including engine with radiator, hydraulic installation  
driving all the functions, emulsion pump, emulsion  
filter, RIELLO burner

rear platform - supplementing the engine  
compartment, ensuring easy and trouble free  
entrance to the engine compartment, equipped  
with a foldable ladder

### Emulsion installation

emulsion pump Varisco V-60  
with the efficiency of 420 l/min  
with hydraulic drive  
with coat heating system

all valve's functions operated pneumatically  
initiation and switch of functions carried out at the  
operator panel  
emulsion filter with coat heating system  
special drawer protecting against stains

spraying lance with the hose of 5,0 m length

## **Emulsion heating installation**

automatic heating installation of emulsion with RIELLO diesel burner  
required temperature of emulsion is reached and maintained automatically  
thermostat for adjusting required temperature

## **Cleaning installation**

automatic two step cleaning system for emulsion installation:

1. pre-compressed air insufflation
2. rinsing with cleaning liquid

initiation of cleaning procedure from the operator panel in the truck cabin

## **Operator panel**

assembled in the truck driver's cabin  
allows switching on and off all main functions through SIEMENS touch screen

additional operator panel placed on the rear platform allowing very accurate spraying road edges

## **Computer control**

fully automatic, computer controlled installation of spraying process  
automatically controlled pneumatic valves for emulsion circuit

computer control ensures the maintaining of constant pressure of spraying emulsion, even by changing speed, or spraying width

operation of all the functions is controlled by the computer (SPS Siemens) with touch screen panel

computer program ensures additionally: counting of the sprayed surface, counting of the job distance, additional regulation +/- without changing the basic set up

digital indicators show: set-up quantity of spraying in kg/m<sup>2</sup>, switched on nozzles, working width, amount of emulsion in the tank, working speed (will be used also as a speedometer by slow drive), instantaneous pressure of spraying, temperature of emulsion, temperature during circulation and more

## **Strassmayr App**

system with GPS and GSM which allows to collect information about performed work  
system recognizes the location of the machine and saves it on the server

system alerting the customer, distributor and manufacturer when the service deadline is approaching with a list of needed spare parts and the scope of service work

## **Emulsion spraying bar spraying bar type HSB 4000/125**

smooth and step-less hydraulic regulation of working width in the range 2 500 – 4 000 mm  
total width of the spraying bar 4 000 mm, transport width 2 500 mm

triple-piece spraying bar with two extensions to be opened with hydraulic cylinders

hydraulic regulation of the spraying bar height  
distance between nozzles of 125 mm, ensuring double coverage by use of 60 degree nozzles (use of 90 degrees nozzles ensures the triple spraying pattern)

special rubber cover of spraying bar

pneumatic cylinders opening and closing single nozzles

single nozzles of with easy and trouble-free exchange system

## Additional equipment

### **2 rear cameras with monitor**

- assembled at rear side of the machine  
with monitor mounted in the drivers cabin  
with all necessary connections  
allowing control of edge of sprayed surface

### **Printer, mounted in the drivers cabin**

- allowing printing of main job's information  
protocol in format A4

### **Additional system of "night heating"**

- two stage oil burner RIELLO RG2  
automatic heating system based on one burner

### **Additional coat heating for emulsion pump and emulsion filter**

- with special heat exchanger  
allowing quick start and no risk of solidification of emulsion in the emulsion pump  
additional reduction of daily emulsion heating costs

### **Additional heating for the spraying bar**

- with special heat exchanger  
no risk of solidification of emulsion in the spraying bar

### **Additional water bin, integrated with the cover of emulsion bin**

- capacity of water bin 2 000 liters  
water tank made of steel, integrated with the body of the emulsion tank  
mechanical indication of water level in the tank  
electric water pump

### **Emulsion spraying bar HSB 5000/125**

- with step-less hydraulic regulation of working width  
total width of the spraying bar 5 000 mm, transport width 2 500 mm  
triple spraying bar, with two extensions to be opened with hydraulic drive  
hydraulic regulation of the spraying bar height, distance between nozzles of 125 mm

### **Additional horizontal spray bar swift**

- range of adjustment up to 30 cm. in both directions (left & right)  
especially useful by spraying the bend of road  
ready for assembly by each type of spray bar

### **Cleaning brush Strassmayr SW 2000**

- cleaning drum 2300 mm width  
hydraulic motor driving the unit (PTO drive by truck required)  
street lamps with necessary connections  
mounting frame (requiring EU front plate by truck)
- smooth regulation of cleaning brush height  
smooth regulation of cleaning brush yaw angle
- operator panel  
connected with the unit by electric cable  
to be placed in the drivers cabin of the truck  
allows operation of all main functions of cleaning brush

### **PTO drive system for the sweeper SW 2300**

- hydraulic pump with required connections  
operation from the truck cabin

### **Electronic system "E-service"**

- based on internet connection, using SIM card of a customer
- allowing immediate interference in the computer system in case of problem  
quick check of parameters and possible mistakes  
operated by specialist of Strassmayr

### **Set of legs with frame**

- storage system for sprayer, to be used when empty