

## EMULSION SPRAYER STRASSMAYR TS PLATINUM

ready for assembly on the truck carrier  
with fully automatic operation system



**Strassmayr Platinum emulsion sprayers are the most technologically advanced from the entire line-up.** Machine's purpose is to spray the surface with the highest precision and effectiveness. The operator is able to control the unit directly from the driver's cabin on the large touch screen covering all the functions of the machine. Fully automatic cleaning installation and speed addicted spraying make TS Platinum the most high-tech solution in road building industry.

Models available in Platinum line:

Model	TS 8 000 Platinum	TS 10 000 Platinum	TS 12 000 Platinum
Capacity of emulsion	8 000 l	10 000 l	12 000 l

### Main engine

HATZ 3H50T  
fulfilling exhaust emissions regulation EPA Tier 4 Final  
vertical 3-cylinder liquid cooled Diesel  
engine power 18,4 kW (25 PS)  
engine radiator with fan

hydraulic pump 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 and covered with stainless steel sheets

elliptic profile of the emulsion tank for lowering the center of gravity and reduction of unit's length

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

### Engine compartment

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

includes engine with radiator, hydraulic installation driving all the functions, emulsion pump, filter

### Emulsion installation

emulsion pump Varisco V-80  
with the efficiency of 800 l/min  
with hydraulic drive  
with coat heating system

all circuit valves operated pneumatically  
initiation and switch of functions carried out at the operator touch screen  
emulsion filter with coat heating system  
special drawer protecting against stains  
spraying lance with hose of 5,0 m length

### **Emulsion heating installation**

fully automatic heating installation of emulsion

heating system consisting of Riello light oil burner, temperature controlled electronically through the PLC system

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

smooth and step-less hydraulic regulation of working width in the range of 2 500 – 4 000 mm

total width of the spraying bar 4 000 mm, transport width 2 500 mm

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

hydraulic regulation of the spray 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 with simple and trouble-free exchange system

### **Cleaning installation**

fully 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

### **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

### **Operator panel**

assembled in the truck driver's cabin

allows switching on and off all main functions through SIEMENS touch screen

operation of all functions of the machine

including full control of Kubota diesel engine

### **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

## 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 RG2D  
automatic heating system based on one burner

### **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 4000/100**

with step-less hydraulic regulation of working width  
total width of the spraying bar 4 000 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 100 mm

### **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 shift**

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