Straßmayr

[Smarter] equipment for road maintenance

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MACHINES FOR POTHOLE REPARATION

The design of blow patchers allows performing all stages of road surface repair process by using a single machine with **emulsion and grit technology**. Strassmayr STP patchers have proven great functionality and reliability through the past years. All models are well equipped with e.g. double aggregate bin and working boom with by-pass system. The machine's design, mounted on the truck chassis or platform, provides very comfortable and safe operation.

All Strassmayr patchers can be equipped with **Patch Portal** - electronic system based on GPS and GSM connection, allowing: tracing of the unit when operating, calculation of material used during operation, location of single potholes repaired, check of weather conditions during operation by single potholes. System allows check of technical condition of main components of the unit and send the message automatically when there's a problem.



STP 1010 JOY

- Working boom operated by the driver from the truck's cabin with joystick
- Only **one man operation** – cost effective and very safe solution
- The highest precision of emulsion and aggregate dosage with **electronic Easy Patch System**

STP 1010 FOB

- Manual front operating boom
- **Operation by two people**: driver of the truck and the operator of boom
- The highest precision of emulsion and aggregate dosage with **electronic Easy Patch System**



STP 1008 JOY

- Working boom operated by the driver from the truck's cabin with joystick
- Only **one man operation** – cost effective and very safe solution

STP 1008 FOB

- Manual front operating boom
- **Operation by two people**: driver of the truck and the operator of boom



STP 1008 AH

- Mounted on **one axle trailer** with homologation
- Manual **rear** operating boom
- **Operation by two people**: carrier's driver and operator of the boom

Model	STP 1008/6000	STP 1008/4000	STP 1010/6000	STP 1010/4000	STP 1008 AH
Emulsion tank capacity	1 400 l	1 100 l	2 000 l	2 000 l	1 000 l
Aggregate capacity	6 m^3	4 m^3	6 m^3	4 m^3	0,5 m^3

ASPHALT THERMO-CONTAINERS

The Strassmayr AC E thermo-container range was designed to transport all types of hot asphalt mixtures and maintain them at the ideal working temperature range at all times. Units can be mounted on a platform or directly on the truck's chassis thanks to the optional intermediate frame. All of the functions of the machine are powered from it's own diesel engine or PTO connection. Additional industrial remote control allows to operate all hydraulic functions of the unit from the distance. Possibility to install the additional lift for the vibrating plate make this an universal unit under all circumstances.



AC

- screw feeder delivering hot asphalt from the container, hydraulically driven
- spray lance with a hose, length of 5 m
- control panel located in an easily accessible location at the rear side of the unit
- automatic heating installation with one or two burners

Model	AC 6000 E	AC 9000 E	AC 12 000 E
Powered by	Main engine	Main engine	Main engine
Capacity of hot asphalt	6 000 kg	9 000 kg	12 000 kg
Capacity of emulsion	400 l	340 l	340 l

Model	AC 6000 EH	AC 9000 EH	AC 12 000 EH
Powered by	PTO system	PTO system	PTO system
Capacity of hot asphalt	6 000 kg	9 000 kg	12 000 kg
Capacity of emulsion	400 l	340 l	340 l

CRACK MILLING MACHINES

The Strassmayr S FF milling machines are used to **prepare expansion joints or clean the cracks before application of special sealing compounds**. Hydraulic drive of these compact and robust units allows easy and comfortable work. The steering wheel is directly connected with cutting tool, which allows smooth cutting regardless of the complexity of the course. Foldable protection of the operator and seatbelts secure the safety of the operator.



SFF

- self-proppeled
- steering wheel connected with construction of cutting tool allowing smooth cut and following the crack
- maximum cutting depth of 25 mm (SFF 12) or 35 mm (SFF 27)
- electric start installation with battery
- operator panel located by the steering wheel allowing switching all main functions of the unit

Model	S FF 12	S FF 27
Driving speed	0-5 km/h	0-7 km/h
Cutting depth	25 mm	35 mm

CRACK SEALING MACHINES

Crack sealing machines are designed for easy preparation and dosage of special sealing compounds for the cracks, joints or road edges. There're two types of mounting - on a trailer and fitted with all necessary truck connections and on a frame what allows easy assembly on any truck or trailer platform. The main tank walls are filled with thermal oil, allowing to work with sealing materials heated up to 180˚C.
The main advantages of Strassmayr crack sealing machines are the **horizontal mixer and heated grill** located on the top of the boiler. These ensure constant delivery of the sealing compounds to the applicator lance without the risk of blocking the mixer operation while adding fresh blocks of material.



RWK 600/500 H

- assembled on homologated 2 axle trailer
- lance equipped with manual valve for opening and closing of material flow
- hose with a length of 4 m



RWK 600/500 HC

- assembled on the tandem trailer with the opportunity of self-drive on the jobsite
- equipped with screw **compressor** KAESER M 27 with engine drive for cleaning and warming of cracks



RWK 600/500 HHC

- assembled on the tandem trailer with the opportunity of self-drive on the jobsite
- equipped with screw **compressor** Dynaset HKL 2600 for cleaning and warming of cracks and dedicated **sand distributor** ACF- SE 20 for covering of freshly repaired crack with quartz sand overlay
- one main engine HATZ driving all the functions of the boiler, drive on the jobsite and compressor

RWK 600/500 FR

- assembled on a frame ready for installation on platform of a small truck or trailer
- lance equipped with manual valve for opening and closing of material flow
- hose with a length of 4 m



RWK 600/500 FRC

- assembled on a frame ready for installation on platform of a small truck or trailer
- equipped with screw **compressor** KAESER M 27 with engine drive for cleaning and warming of cracks and dedicated **sand distributor** ACF- SE 20 for covering of freshly repaired crack with quartz sand overlay



ROAD WIDENERS



BF 290 PUSH
mounted on loader/backhoe loader/tractor



up to 3 meters widening

Hydraulic control panel → with engine → BF 290 PUSH H

Electric control panel → with engine → BF 290 PUSH E

Electric control panel → PTO → BF 290 PUSH E PTO



BF 290 PULL
pulled by a truck-tipper



up to 1,5 meters widening

Hydraulic control panel → BF 290 PULL H

Electric control panel → BF 290 PULL E

Road wideners STRASSMAYR BF 290 have been designed to solve all aspects of roadside works, such as road widening, hard shoulder work or cable and pipeline trench filling. Machines can be either PUSHed or PULLed, and powered by own diesel engine or from PTO of carrier. It can be controlled hydraulically or by electro valves.
All different types of **soil, gravel, grit and asphalt** can be used with this unit. A specially designed screed allows to lay several material layers, optionally up to 3 meters in width. Additional sweeping brush mounted under the operator seat ensures the cleanliness of the process.



BF 290 PUSH

- max. working width up to 3 meters
- powered by main engine or PTO
- hydraulic or electric control system
- mounted on a loader, backhoe loader or tractor

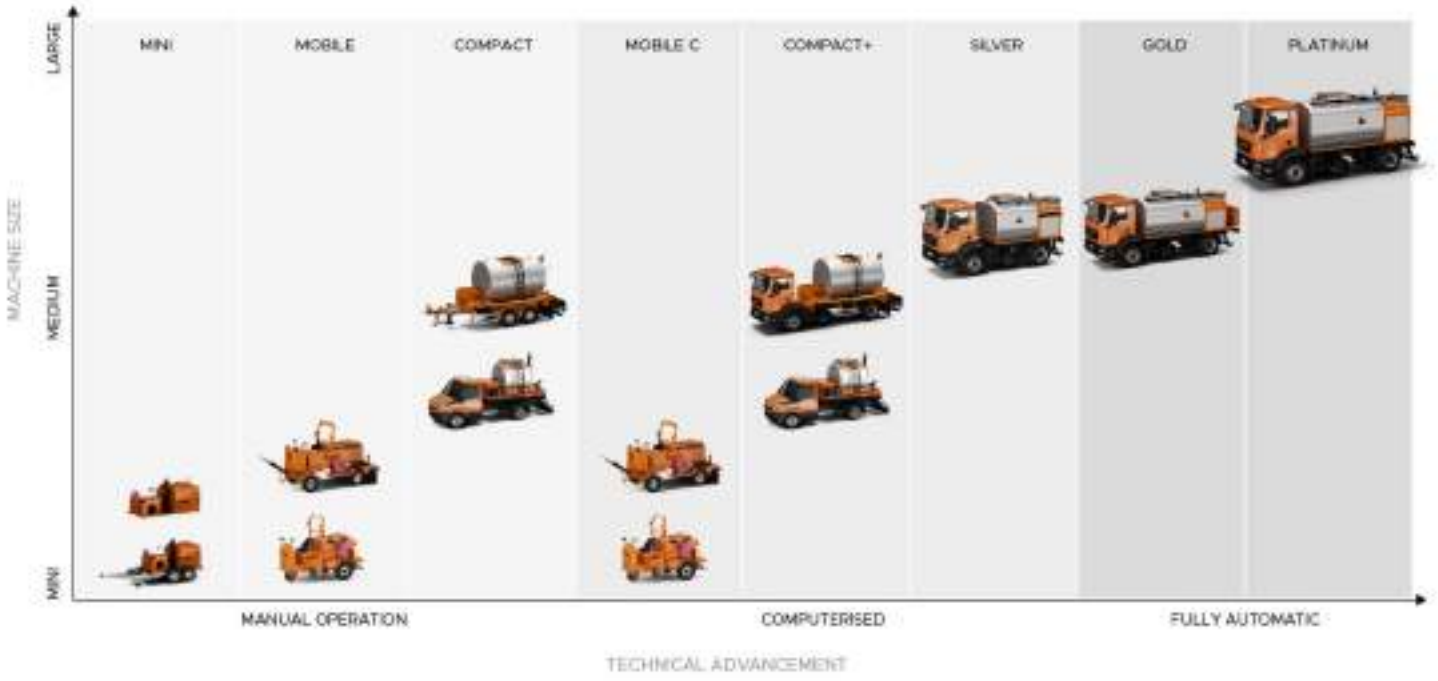


BF 290 PULL

- max. working width up to 1,5 meters
- hydraulic or electric control system
- pulled by a truck-tipper

EMULSION SPRAYERS

We wanted to customise our emulsion sprayers more and more to the needs of our customers, so that everyone could find a machine that would suit their needs perfectly. Models of Strassmayr emulsion sprayers start with the smallest simple in a series of MINI to intelligent devices that meet the highest requirements in the work of large-scale version of PLATINUM.







TS MINI

- assembled on trailer or frame
- spraying small work areas
- hand lance equipped with delivery hose
- E-starter and automatic emulsion temperature control
- manual operation
- simple and cheap operation

Model	A 500	A 900
Capacity of emulsion	500 l	900 l





TS MOBILE

- self-propelled
- spraying medium work areas
- hand lance and operation boom up to 3 m width
- control of all machine functions from the operator's panel
- automatic or manual control of emulsion spraying amount

Model	S 25	S 30
Capacity of emulsion	950 l	1 200 l



RTS COMPACT

- cost-effective choice for medium to large area work
- effective spraying of surfaces up to 4 meters
- control of all machine functions from the operator's panel
- manual control of emulsion spraying amount
- built on trailer
- after completion of work, it can be used as an emulsion tank at the construction site

Model	RTS 2500 Compact	RTS 5000 Compact
Capacity of emulsion	2 500 l	5 000 l



TS COMPACT

- cost-effective choice for medium to large area work
- effective spraying of surfaces up to 4 meters
- manual control of emulsion spraying process from the operator's panel
- built on van or pick-up
- round emulsion tank - insulated with 100 mm of rockwool, covered with aluminum

Model	TS 1500 Compact	TS 2500 Compact	TS 5000 Compact
Capacity of emulsion	1 500 l	2 500 l	5 000 l



TS COMPACT +

- ready for assembly on a small truck carrier or pick-up
- computer control of emulsion spraying process
- control of machine functions through the touch panel in the truck cabin
- triple-piece spraying bar with two extensions opened manually
- total width of the spraying bar 4 000 mm
- nozzle distance 250 mm

Model	TS 1500 Compact +	TS 2500 Compact +	TS 5000 Compact +
Capacity of emulsion	1 500 l	2 500 l	5 000 l



TS SILVER

- made for even and effective emulsion spraying o the large-scale works
- automatic computer control of spraying and manual valves for emulsion circuit
- highest quality of spraying for reasonable price
- full control of the spraying process on the control panel in truck's cabin
- elliptic insulated tank covered by aluminum

Model	TS 4 000 Silver	TS 6 000 Silver	TS 8 000 Silver
Capacity of emulsion	4 000 l	6 000 l	8 000 l



TS GOLD

- high precision emulsion spraying on big surfaces
- automatic, speed addicted spraying
- fully automated cleaning installation
- emulsion tank - insulated with 100 mm of rockwool, covered with stainless steel sheets
- hydraulic triple-piece emulsion spraying bar spraying bar type HSB 4000/125

Model	TS 4 000 Gold	TS 6 000 Gold	TS 8 000 Gold
Capacity of emulsion	4 000 l	6 000 l	8 000 l



TS PLATINUM

- the most technologically advanced emulsion sprayer for big road surfaces
- the highest precision and effectiveness
- all circuit valves operated pneumatically
- initiation and switch of all functions carried out at the operator touch screen
- hydraulic triple-piece emulsion spraying bar spraying bar type HSB 4000/125
- wide range of accessories

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

SURFACE REPAIRING MACHINE *CHIP SEALERS*

Chip sealers are designed to perform large or partial road surface repairs using emulsion and aggregate technology. Whole repair process is controlled by the computer located in the truck cabin. Computer operation system providing high quality and efficiency of the repair job.



R trailer

- assembled on a single-axle trailer
- designed to perform large or partial road surface repairs with one man operation from a seat located above the rollers
- process of reparation is controlled by a computer
- additionally equipped in a self-loading system of stones for bigger jobs
- basic working width of about 2400 mm, divided into 6 sections

Model	R 4000
Capacity of emulsion	2200 l
Capacity of stones	4 m^3



R trailer VARIO

- R trailer features
- VARIO system with stepless width regulation up to 4 meters
- emulsion pump with hydraulic drive delivering emulsion from external tank of carrier
- additional hydraulic extensions 2 x 775 mm, for the total working width of 3 950 mm

Model	R 5500 Vario	R 7500 Vario
Capacity of stones	6 m^3	7,5 m^3



R truck VARIO

- assembled on a frame of 3 axle truck
- whole process controlled by a computer, ensuring even distribution of materials depending on the speed of the carrier truck
- basic working width of 2400mm, divided into 6 sections
- VARIO system with stepless width regulation up to 4 meters
- one man operation from the truck cabin

Model	R 6000 truck VARIO
Capacity of emulsion	6000 l
Capacity of stones	6 m^3

SLURRY SEAL AND MICROSURFACING

Strassmayr STR S is prepared for assembly on a 3 axle truck or on a semi-trailer and is designed to perform large road surface repairs using slurry seal and micro-surfacing technology. Special construction of the unit with easy access to all required main components allows trouble-free operation and service.



STR

- ready for assembly on a 3-axle truck or on a semi-trailer
- equipped with two-shaft high performance mixer with paddles covered by sintered carbides, ensuring best quality of mixing and long service life
- screed HSS 4000/2500 with hydraulic regulation of working width ensures good quality and trouble-free operation
- optional computer system responsible for automatic regulation of delivery process
- optional fiber cutting system

Model	STR S 8000	STR S 12000
Assembly on	3 axle truck	semi-trailer
Capacity of emulsion	2000 l	5000 l
Capacity of water	1600 l	4000 l
Capacity of additives	300 l	300 l
Capacity of stones	8 m^3	12 m^3
Capacity of filler	500 l	500 l

All Strassmayr machines can be equipped with **STRASSMAYR APP** with GPS and GSM systems, which allows to collect job reports easily, gives permanent access to the machine location and alerts about service deadlines with a list of needed spare parts and the scope of service work.

