

VCCS SERIES

Combi Chip Spreader

Synchronous chip sealer on your truck · 6 models

7,000 – 9,000 L	9 – 11 m³	0.5 – 2.5 L/m²	±5 %
bitumen tank	chip hopper	spray rate	spray accuracy

Bitumen and chips in one pass. The chips land on the binder while it is still hot.

The VCCS-2400 is built on your truck: 7,000 L and 9 m³ on a 10-wheel (6×4) truck, 9,000 L and 11 m³ on an 8×4. A 30 m³/h pump on the truck PTO feeds a heated spray bar of 2400 mm, 3600 mm open; the rate is set from the cab between 0.5 and 2.5 L/m².

- 30 m³/h bitumen pump on the truck PTO
- Heated spray bar 2400 / 3600 mm
- Radar speed, rate kept on A models
- Nozzle groups of 6 switched from the cab
- AT / ATS: 50,000 kcal thermal oil boiler
- AS / ATS / MS: sliding hopper ±150 mm

VIMPO SURFACE DRESSING MACHINES

VAD asphalt distributor · VCS 5400 chip spreader · VCF crack sealing machine · VTB Thermobox

HOW IT WORKS

Bitumen and chips in one pass



VCCS spraying and spreading on a road

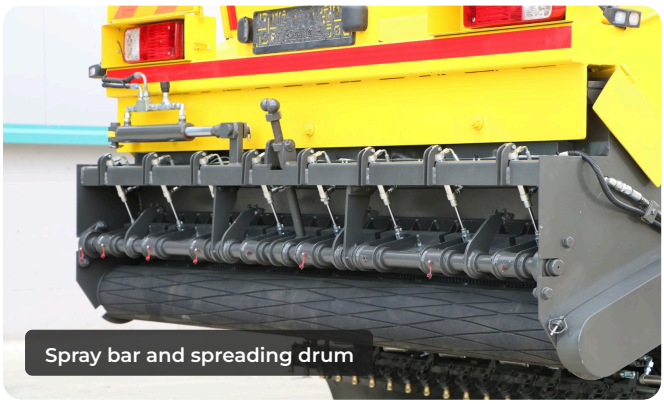
Diesel burners heat the bitumen through U-shaped flame tubes along the tank, to 160 °C or more. The burner stops by itself when the set temperature is reached. An inverter of at least 1000 W supplies the burners. On AT and ATS models a thermal oil boiler of at least 50,000 kcal also heats the pump jackets and the spray bar.

CHIP SEALING IN FOUR STEPS

1. **1 · Fill** — Pump bitumen into the tank · load chips into the hopper
2. **2 · Heat** — Burner brings the bitumen · to working temperature
3. **3 · Seal** — Drive: binder and chips · go down together
4. **4 · Clean** — Pump back, flush the bar · and pump with diesel

SPRAYING

A hydraulic motor drives the bitumen pump (at least 30 m³/h at 950 rpm); the truck PTO drives the hydraulic pump. The bitumen goes into the spray bar from both ends, so the pressure is the same at every nozzle. The nozzles are 100 mm apart, and each group of six nozzles is switched from the cab. A radar measures the driving speed; on A models the computer keeps the set rate as the speed changes.



Spray bar and spreading drum

EVEN SPREADING

The bitumen goes into the bar from both ends, so the pressure is the same at every nozzle. A rubber-coated hydraulic drum lays the chips in four widths.

- Nozzle spacing 100 mm
- Rate 0.5 – 2.5 L/m² in 0.1 L steps
- Dust sieve under the hopper

TECHNICAL SPECIFICATIONS

Six VCCS-2400 models

A = proportional control · M = manual control · T = thermal oil boiler · S = sliding chip hopper. All models have the same tank, pump, spray bar and hopper. 10-wheel (6×4) truck: 7,000 L and 9 m³; 8×4 truck: 9,000 L and 11 m³.

Feature	Value
Bitumen tank	7,000 L (10-wheel 6×4 truck) · 9,000 L (8×4 truck), gross
Tank insulation	50 mm rock wool, aluminium 1 mm sides, 2 mm front and rear
Heating	Diesel burners, U-shaped flame tubes, to at least 160 °C
Thermal oil boiler	AT / ATS: at least 50,000 kcal, heats jackets and spray bar
Bitumen pump	At least 30 m³/h at 950 rpm, hydraulic drive
Thermal oil pump	1" gear pump, mechanical seal, hydraulic drive
Power	Truck PTO, hydrostatic; proportional (A) or manual (M)
Spray bar	2400 mm, 3600 mm open; max. 2550 mm for travel
Nozzle spacing	100 mm (±10 mm), groups of 6 switched from the cab
Spray rate	0.5 – 2.5 L/m² in 0.1 L steps, accuracy ±5 %
Speed measurement	Radar, shown in the cab
Chip hopper	9 m³ (10-wheel 6×4 truck) · 11 m³ (8×4 truck), 4 mm ST37
Chip spreading	4 widths, rubber-coated hydraulic drum, dust sieve
Sliding hopper	AS / ATS / MS: ±150 mm, hydraulic
Accessories	Hand spray gun with 5 m hose, 75 mm × 3 m suction hose, beacon, 2 work lamps, 2 × 6 kg fire extinguishers, ECE R69 – R70 markings

OPTIONS

10-wheel (6×4) truck	7,000 L bitumen tank and 9 m³ chip hopper
8×4 truck	9,000 L bitumen tank and 11 m³ chip hopper



Rear: chip hopper and spreader box

KEY FEATURES

Everything for chip sealing on one truck

Bitumen Tank
7,000 – 9,000 L · 50 mm rock wool

Chip Hopper
9 – 11 m³ · 4 mm ST37, 4 widths

Spray Bar
2400 mm, 3600 mm open · 100 mm nozzle spacing

Spray Accuracy
±5 % of the set rate · 0.1 L/m² steps

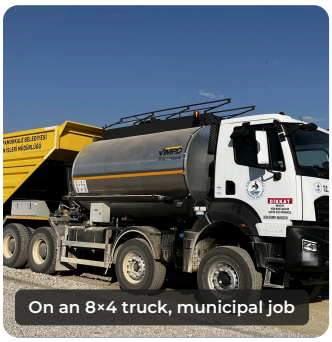
Radar Speed
Rate kept as speed · changes (A models)

Cab Control
Digital panel · nozzle groups of 6

Thermal Oil
AT / ATS: 50,000 kcal · boiler heats the bar

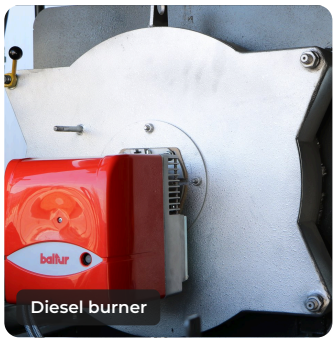
Sliding Hopper
AS / ATS / MS: · ±150 mm, hydraulic

DETAILS


On an 8×4 truck, municipal job


Chip seal in one pass


Rear control panel



Diesel burner

VCCS **Chip sealing in four steps**
Fill, heat, seal, clean
VCCS-2400

1 · Fill
Pump bitumen into the tank load chips into the hopper

2 · Heat
Burner brings the bitumen to working temperature

3 · Seal
Drive: binder and chips go down together

4 · Clean
Pump back, flush the bar and pump with diesel

WHERE IT IS USED

- Rural roads
- Provincial roads
- Surface dressing
- Chip seal maintenance
- Forest and village roads
- Municipalities

Get a Quote for a Combi Chip Spreader

Tell us the model, your truck (10-wheel or 8×4) and the binder you use; our team will prepare the quotation.

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Photos are for illustration. Specifications may change without notice.