

RVE621

HOT ASPHALT REGENERATOR & PATCHING MACHINE

A new approach to road repairs – integrated, continuous & rapid process of asphalt regeneration, paving & compaction

Damaged, Distressed, Undulated, Rutted Roads are Universal

Damages on roads pose major problems for the contractors and repair is often more complex than the original road laying due to logistic issues.



Features of RoadVera All-in-One Machine

- Pneumatic cutter
- Recycles failed material & regenerates hot asphalt
- Inbuilt blower
- Tack oil sprayer
- Hot asphalt dispenser
- Inbuilt vibratory compactor

Value Proposition

- Best of the available technologies in the world
- Road maintenance crew of one person makes repairs
- Regeneration helps avoid sending failed materials to landfills
- Each repair is done in 5–15 minutes
- The new equipment will repair roads more effectively than traditional methods, saving time, ensuring timely completion of the job
- Improving safety of maintenance crews and the users
- Easy to repair using the self-propelled road patcher
- No hold up of the traffic
- Enhances the life of the road with long lasting repair
- Provides a new driving experience to the users

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Roads Repair Process

Remove failed material from damaged parts of the road using inbuilt pneumatic cutter

Load the failed material on conveyor belt for continuous & rapid regeneration of Hot Mix

An inbuilt blower provides a high volume blast of air to clean the patch

A tack coat of hot emulsion is applied to the area to be patched

Renewed HOT asphalt is dispensed into the patch through adjustable boom

Inbuilt vibratory roller with hydraulic pressure compacts the patch

Existing Process to Repair Roads

- Present method is manual, highly time consuming, and cumbersome
- Difficult to carry out repair work within ERP-stipulated time of the road
- Difficult to ensure quality of the patch as the temperature maintenance of the asphalt poses challenge
- Manual process exposes the workers to traffic hazards
- Weather also poses big challenges and affects the productivity

10 Reasons to Own a RoadVera

1. Produces consistent, high-quality patches
2. Safe work environment
3. Uses readily available materials
4. Fast!
5. All-weather operation
6. Simple to operate
7. Manoeuvrability, visibility & quiet comfort
8. Highly mobile
9. Special features
10. RoadVera saves \$\$\$ and makes \$\$\$



Special Features

Multi-axis working arm / Air jet / Auger & conveyor belt
Screed (*rake*) compacting the patch / Roller / Tack oil applicator

Special Features

Easy to drive, self-propelled equipment can travel to work sites at 24 km/hr / Vehicle size: 7220 x 2880 x 3100 mm
Gross vehicle weight: 11630 kg / Hopper volume: 0.6 m³ / Roller width: 900 mm / Boom length: 1200 mm / Fuel tank volume: 270 litres / Cummins high pressure common rail engine, Euro III / DANFOSS hydraulic pump and hydraulic motor / Riello burner (*Italy*) / Hydraulic control valve set from SUN Hydraforce / Patented planetary agitator caldron
Twin channel cyclone separator

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