

Media Release Ammann Group

AMMANN INNOVATION REDUCES VOC EMISSIONS – AND CLEANS ITSELF

LANGENTHAL, Switzerland – A new, advanced filtration system from Ammann is able to remove a significant level of emissions – and clean itself, too.

The Ammann VOC Reduction Device (VRD) reduces volatile organic compounds (VOCs), odours and other organic carbon emissions. It is the first technology on the market able to self-clean; no filter replacements are needed.

“To have the performance and efficiency of VRD in a self-cleaning system is a significant benefit for businesses,” Carlo Adami (Technology Research & Development Manager) said.

VRD device is an Ammann patent technology

With VRD, neither time nor money need be spent on filter replacements. Plant uptime is optimised as well.

VRD is a modular, stand-alone solution compatible with virtually every type of asphalt-mixing plant – whether provided by Ammann or another manufacturer. It reduces total organic carbon (TOC), which contains VOCs, by as much as 70% under common working conditions.

The sustainability benefits are twofold: First, VRD removes the TOC. In addition, it makes utilising RAP even greener, as a high percentage of VOCs occur while recycling.

VRD:

- ☐ Needs only a power supply and on-site space for implementation
- ☐ Requires no special software or technological upgrades
- ☐ Can be included in the purchase of a new plant
- ☐ Can be retrofitted to plants provided by Ammann or another manufacturer
- ☐ Is easy to transport and install

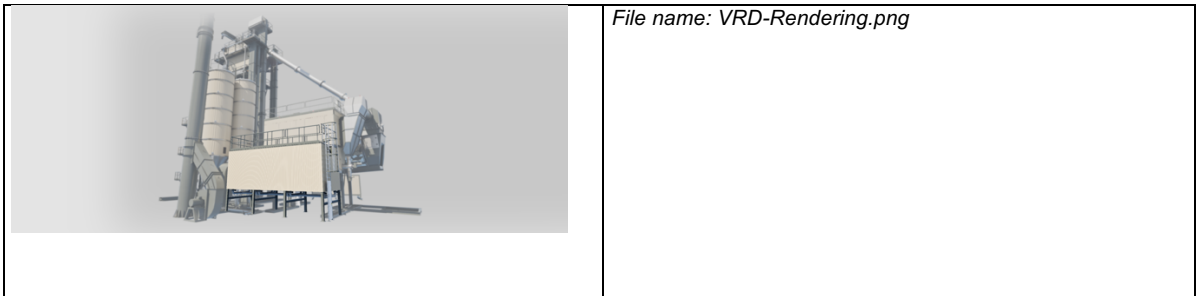
Green Plant Initiative

VRD is a key component of the “Green Plant Initiative,” Ammann’s commitment to improving the sustainability of asphalt production.

The initiative includes three new advanced technologies: the H2 burner, VOC Reduction Device (VRD) and Blue Smoke Treatment (BST). Together, the three reduce or eliminate emissions at every stage of asphalt production.

The H2 burner eliminates CO₂ emissions during the combustion that occurs at the start of the process. VRD filters emissions in later steps, including 70% of the VOCs that can develop while recycling asphalt. At the end, BST captures the blue smoke that can arise during truck loading.

“Each of these three is a breakthrough technology and big win on the green front,” said Stampfli Philipp (AMMANN Global Head of Process Technology) said. “When combined, they are setting the bar for sustainable asphalt production in the industry for the next generation.”



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About Ammann

Ammann is a sixth generation, family-owned business that produces asphalt and concrete mixing plants, compactors and asphalt pavers at nine production sites in Europe, China, India and Brazil. Its core expertise is roadbuilding and transportation infrastructure. Visit ammann.com for company-related information.