

CASE STUDY

Additive | Amapure

Overview

RAUCH Landmaschinenfabrik GmbH is an international manufacturer of fertiliser spreaders, seed drills and salt spreaders. Accurate dosing and precise distribution through the innovative RAUCH products enable farmers worldwide to provide crop nutrition that meets their needs. The innovative power of RAUCH and Ervin have many parallels, which is why both companies have become strong partners.

“Blasting with Ervin’s medium-hard grit and abrasive cleaning by Amapure took our surface pretreatment to a higher level.”

PETER HUCK, TECHNICAL
MANAGER OFT / RAUCH
LANDMASCHINENFABRIK GMBH



Challenge

Ensuring that blasted work pieces are free of oil and grease before coating is an important part of quality assurance at Rauch. During normal operation, there was a high level of oil and grease in the abrasive operating mix, which originated from other areas of production. This was determined by the water drop test, performed on abrasive samples from the machine. The longer it takes the

drops to run through the abrasive, the more contaminated it is. With a clean abrasive, this usually takes less than 20 sec. Despite the use of a degreasing additive, Rauch’s water drop test results were about 4 min. The amount of additive required and the associated costs were not insignificant, so Rauch was quickly interested in Ervin’s latest product: AMAPURE, a degreasing additive for metallic abrasives.

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Solution

Comparative tests with Amapure and with the material of a competitor were carried out in the continuous overhead conveyor system with twelve blast wheels. The contamination in the abrasive caused by oil and grease was measured and documented daily over several weeks using the water drop test.

Result

With the same amount of additive in the blasting system, over a 50% better cleaning performance was observed with Amapure compared to the material previously used. This optimisation ensured that not only were operating costs reduced, but also environmental aspects such as waste disposal were improved. With a low

consumption of Amasteel (abrasive) and Amapure (degreasing additive), Rauch found its ideal blasting solution.

“The switch to grit in combination with Amapure paid off for Rauch in two ways – optimised surface pretreatment and, at the same time, a more economical blasting process.”

ROBERT MULT,
SALES MANAGER ERVIN



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