

CASE STUDY

NORDKALK-FINLAND
LIMESTONE SORTING



INBTW[®]

incorporating
REDWAVE
technology



**MINERAL
SORTING**

CASE STUDY

NORDKALK – LIMESTONE SORTING

CUSTOMER

Nordkalk, a leading limestone company, delivers essential raw materials to numerous industries. Its solutions contribute to clean air and water as well as productivity of agricultural land.

Nordkalk's biggest Finnish production site is in Lappeenranta. There is a quarry, a grinding plant, two flotation plants and a sales office. Operations in Lappeenranta started in 1910.



SORTING TASK

Nordkalk has been running sensor based sorting systems for several years at the Lappeenranta location. Due to increasing demands and the end of lifetime of the existing sorter for the fraction +40 – 80 mm, Nordkalk decided to replace this line. After intensive test works Nordkalk decided to use the **REDWAVE 1300 ROX CC** double camera sorter.

The sorting task is to sort out the dark and black particles from white limestone.

SOLUTION

At the REDWAVE test center in Gleisdorf, Nordkalk made intensive test works. After these positive trials, Nordkalk visited the reference plant of company LEUBE in Golling, Austria. LEUBE operates since several years **2 REDWAVE ROX Mineral sorter** with combined Color and NIR sensors. The installation of the sorter was made by Nordkalk.

The REDWAVE 1300 ROX CC Mineral Sorter is in operation successfully since August 2017 and it sorts the limestone according to color (dark and black from white).

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” Our project with REDWAVE was very successful. All the equipment was delivered on time, despite the ambitious time schedule. Equipment installation and testing went smoothly without problems, even though the equipment was installed in a challenging place. After a six months' experience, one can say that we made a right choice choosing REDWAVE!

Mr. Vesa Pekki, planning and project manager at Nordkalk Corporation

TECHNICAL DATA

MACHINE TYPE	REDWAVE 1300 ROX CC 2W U V108 S E
INFEED MATERIAL	Limestone
CAPACITY	Up to 85 to/h
GRAIN SIZE	+40-80 mm
SORTING WIDTH	1.300 mm
SENSOR SYSTEM	Color camera

