



MÜLLEX-Umwelt-Säuberung-GmbH – Austria

SRF Refining (Solid Recovered Fuels)



CUSTOMER

Müllex-Umwelt-Säuberung-GmbH was founded in 1980 and is working in the field of waste collection, waste sorting, waste processing and waste disposal. The company operates at three locations in Styria and currently employs around 90 people.

SITUATION

The demand from the main customer of the solid recovered fuel after removal of chlorine from the SRF led Müllex to decide at the end of 2012 to install a REDWAVE PVC separation in the existing plant. The key focus was to use the optical sorting machine REDWAVE NIR to remove PVC as the main source of chlorine in the SRF stream.

SOLUTION

Using a dosing hopper the shredded material is constantly fed to the REDWAVE 2800 NIR sorting machine, which separates PVC from the SRF fraction. After the sorting process the SRF fraction is further processed in the existing plant (ferrous/non-ferrous separation and crushing).

The plant has been successfully operating since March 2013.



REDWAVE®

TECHNICAL DATA

Type of machine	1 x REDWAVE 2800 NIR 64 2W
Infeed material	Remaining plastics from lightweight packaging processing
Capacity	7,5 t/h depending on the bulk density of the infeed material
Sensor system	Near Infrared (NIR) Sensors



INFEED MATERIAL
Remaining plastics from
lightweight packaging



REDWAVE
Optical sorting machine



PVC separation
Recovery of SRF



TESTIMONIAL

Managing Director at Muellex Mr. Manfred Fritz: "To keep a leading role in the field of alternative fuel production, we decided at the end of 2012, to integrate a PVC discharge into the existing plant. Therefore we installed the RED-WAVE sorting machine at the end of March 2013. Due to this sorting machine of BT-Wolfgang Binder we are now able to produce solid recovered fuels with very little chlorine content. We are completely satisfied with BT-Wolfgang Binder, from the planning, meeting deadlines, installation to the commissioning."

