Fact Sheet

UniSort Black

+ METAL SORTING

+ Processing auto shredder residues (ASR):
  - Separation of black objects
  - Separation of wood
  - Removes the dark PVC content with other dark
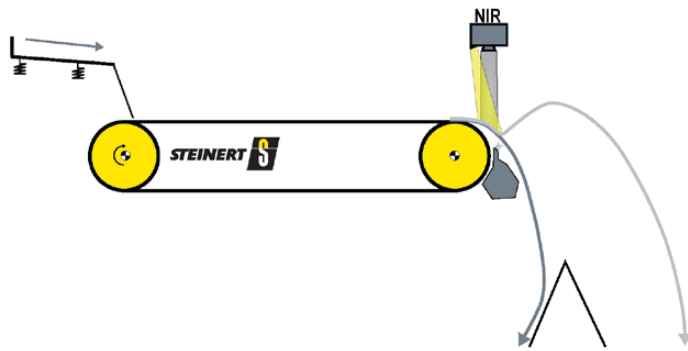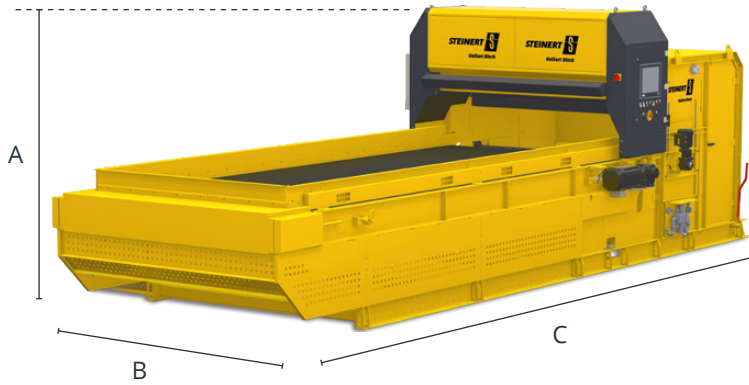   objects from refuse derived fuels

+ WASTE SORTING

+ In addition to NIR-identifiable materials, sorts
  black and dark-coloured objects/plastics in
  particular as a mix of recyclables from material
  and waste streams

+ Recovers NIR-identifiable materials as well
  as black and dark-coloured objects/plastics
  as a mix of valuable materials from residual
  streams

+ Cleaning of wood, biowaste, rotting material
  and compost from foreign materials such as NIR-
  identifiable plastics as well as black and dark objects/
  plastics

THE RESOURCE
SEARCH ENGINE

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STEINERT

MAGNETIC **+** SENSOR **SORTING SOLUTIONS**

+ TECHNOLOGY

UniSort Black

Based on the latest near infrared (NIR) camera technology – hyperspectral imaging (HSI) technology – the advantages lie in the combination of highest local and spectral resolution.

In-flight detection, thereby additional detection of dark objects in addition to the detection of NIR-identifiable materials.

The sorting system is also available in combination with a high-resolution colour camera to map further optically detectable characteristic properties.

UniSort Black		P1000RB	P1400RB	P2000RB	P2800RB
General					
Working width (mm)		1.000	1.400	2.000	2.800
Dimensions approx. (mm)	A	2.350	2.350	2.350	2.350
	B	1.800	2.220	2.790	3.704
	C	7.630	7.630	7.630	7.685
Weight incl. nozzle bar (kg)		1.950	2.650	3.200	4.550
Environmental specifications					
Permitted ambient temp. depending on version (°C)		-5 to +45			
Installation site		Under roof/indoor			
Conformities					
Given conformities		EN (UL-CSA)			
Electrical specifications					
Machine power consumption (kVA)		5	6	7	9
Machine protection class		IP 54 (not certified)			
Pneumatic specifications					
Compressed air quality		ISO 8573-1: class 3.4.4			
Operating pressure (bar)		5–7			
Pneumatic connection (inch)		1			
Options + variants					
Example accessories		Feeder, disk spreader, safety switches			

Technical alterations reserved. For more details see the operating instruction of the sorting system.

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