

Typical Applications

- **Car Shredder:** Copper and /or brass from heavy metals in zorba, airbags, printed circuit boards from zorba.
- **Electronic Waste:** Printed circuit boards, precious metals, upgrading, transparency sorting glass.



Color and Shape Sorter Model CSS



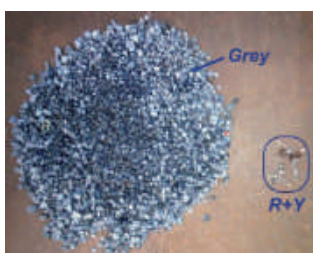
Reduce Your Handpicking Operations!

The SGM CSS is the perfect complement to the magnetic eddy current separator, induction sensor, infra-red, near infra-red, X-ray and gravimetric separation. The use of multiple high resolution cameras and the use of micro-processors with tailor design algorithms, allow for fast and accurate decisions.

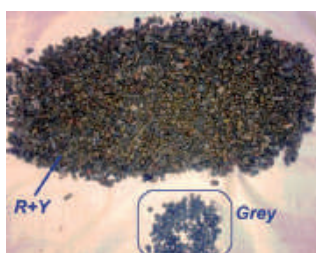
Separation decision is made based on color, brightness and shape of the particles and offers much greater sensitivity and repeatability than the human eye and hands.

Mechanical Features

- Laser cut frame design for maximum stability and accurate assembly
- Top blow design (selected material pieces are blown from top downwards)
- Cooling unit for camera case



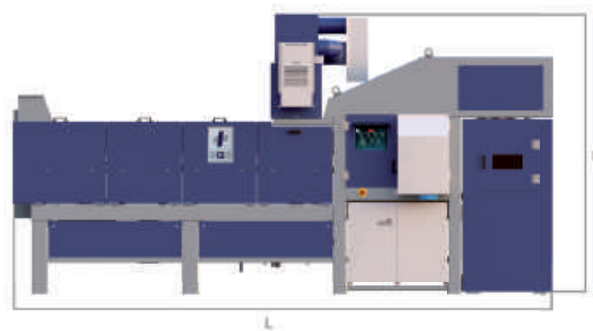
Positive:
Grey from Zorba Metals



Negative:
Red from Zorba Metals
Red + Yellow

Electrical Features

- Color line scan cameras based on the dual line scan model
- Photographic camera lenses
- Up to 6829 frames per second
- LED lighting technology
- Dedicated software fully designed by SGM
- 17" Touch screen control panel for easy and intuitive interface
- Intel Core i7 processors, UPS devices and redundant SSD hard disk drives



TEST ON SAMPLE OF ZORBA 6mm-20mm		% OF TOTAL SAMPLE	% OF POSITIVE/ NEGATIVE	% TOTAL GREY/ R + Y
POSITIVE 33%	Grey	32.85%	99.40%	94.56%
	Red + Yellow	0.19%	0.60%	0.29%
NEGATIVE 67%	Grey	1.89%	2.82%	5.44%
	Red + Yellow	65.07%	97.18%	99.71%

MODEL	LENGTH	WIDTH	HEIGHT	WEIGHT
CSS 24	5384 mm	1584 mm	2794 mm	2,400 kg
CSS 48	5384 mm	2184 mm	2794 mm	3,200 kg
CSS 80	5384 mm	2794 mm	2794 mm	4,000 kg
CSS 96	5384 mm	3302 mm	2794 mm	4,800 kg

