COLOR TECHNOLOGY

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 - 1/4"-3/4"		% 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 212"	1584 mm 62"	2794 mm 110"	2,400 Kg 5,291 lbs
CSS 48	5384 mm 212"	2184 mm 86"	2794 mm 110"	3,200 Kg 7,055 lbs
CSS 80	5384 mm 212"	2794 mm 110"	2794 mm 110"	4,000 Kg 8,818 lbs
CSS 96	5384 mm 212"	3302 mm 130"	2794 mm 110"	4,800 Kg 10,582 lbs

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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.