

Reduce Your Handpicking Operations

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

The SGM CSS is the perfect complement to magnetic, 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.

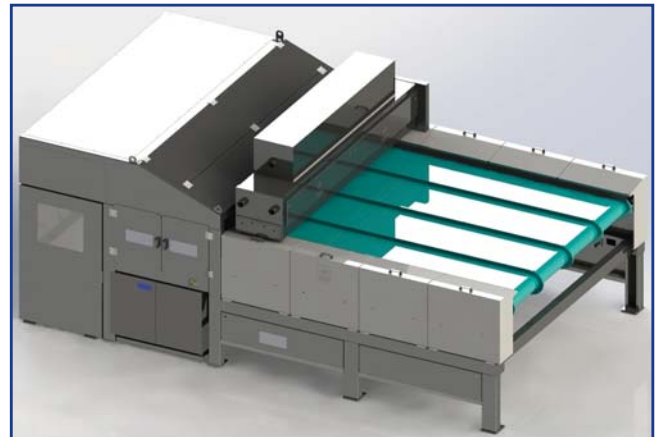
Applications are multiple:

Car Shredder

- Copper and/or brass from heavy metals in zorba
- Stainless steel from other metals
- Airbags
- Printed circuit boards from zorba

Electronic Waste

- Printed circuit boards
- Precious metals upgrading
- Transparency sorting glass



Test on sample of Zorba 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%



Positive: Grey from Zorba Metals



Negative: Red + Yellow from Zorba Metals

99.4% of the Grey metals present in sample are sorted out.
Only 0.29% of the Red and Yellow ended in the Grey.

TECHNICAL SPECIFICATIONS

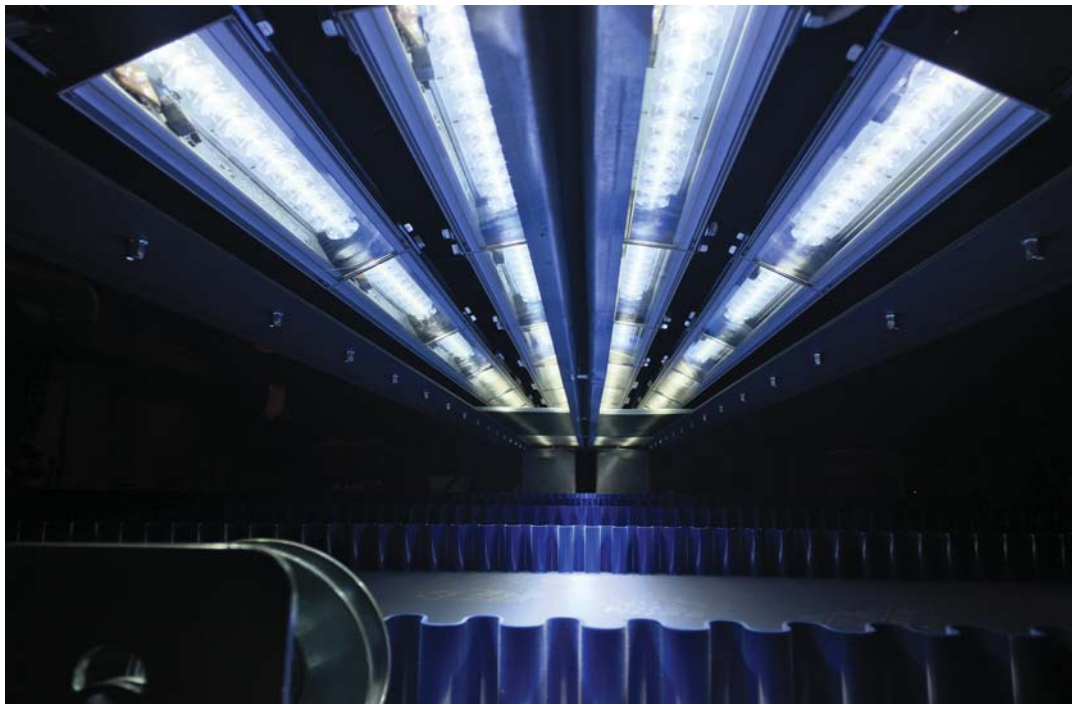
Latest Design Technology

Electrical features:

- Color line scan cameras based on the dual line scan model
- Photographic camera lenses
- Up to 6826 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

Mechanical features:

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



Model	Valves	Cameras	Air Compressor (*)	Reservoir	Belt Speed	Capacity	Mat. Size
CSS-48	120	2	55 kW - 10 bar	1000 l	up to 2.0 M/Sec	**	12 - 120 mm
CSS-80	180	3	90 kW - 10 bar	1500 l	up to 2.0 M/Sec	**	12 - 120 mm
CSS-96	232	4	105 kW - 10 bar	2000 l	up to 2.0 M/Sec	**	12 - 120 mm

(*) Air compressor specifications may vary according to metal content in input material.

(**) Based on material density, it is calculated considering 90% belt coverage of evenly dispersed in-feed material.