



Varisort

Versatile and high quality
metal recovery

Rethink. Recycle.

Varisort

Versatile and high quality metal recovery



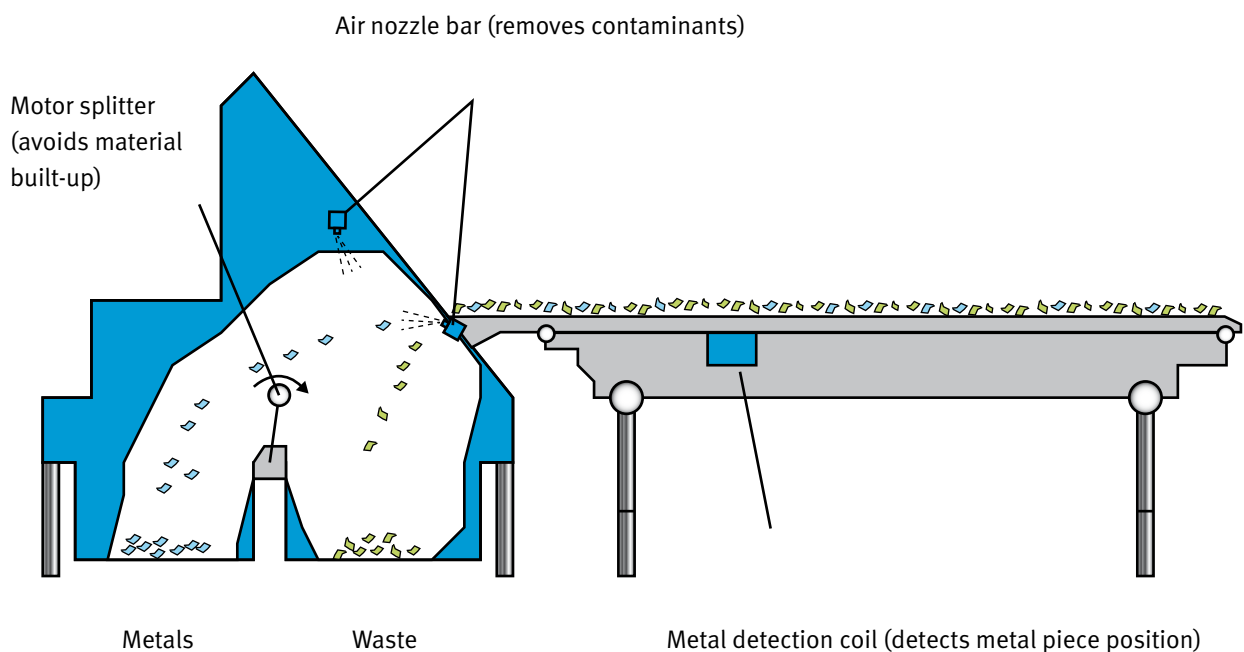
Inductive metal detection at its best

Experience a new dimension in high quality metal recovery with **Varisort**. Developed by leading recycling specialists **SiCon** and S+S it uses the induction principle to separate metals from non-metallic materials. Even stainless steels and insulated cables can be recovered efficiently with **Varisort**. Whether metal refining, shredder residue or electronic scrap: every **Varisort** system is custom-tailored to your specific requirements. Simply choose between the different parameters such as working width, metal sensor, pneumatic control valve and overall design.

Your advantages with Varisort

- ▶ High quality sorting for metal refining, shredder residue/ASR and electronic scrap
- ▶ Individual system configuration according to your specific requests
- ▶ Future-proof: modular design allows easy upgrading
- ▶ Minimal product loss due to specially designed pneumatic control valves
- ▶ Total security through data management with Visutec online monitoring system

For maximum recovery of valuable metals





The induction principle

A high-speed conveyor transports the material while a multi-channel metal detection coil determines the precise position of metals. All information concerning material (e.g. metal, off-color in the use of using a camera system) and position is transmitted to the air nozzle bar. A precise blast of compressed air removes unwanted material quickly and with minimum loss of valuable material.

Technical highlights

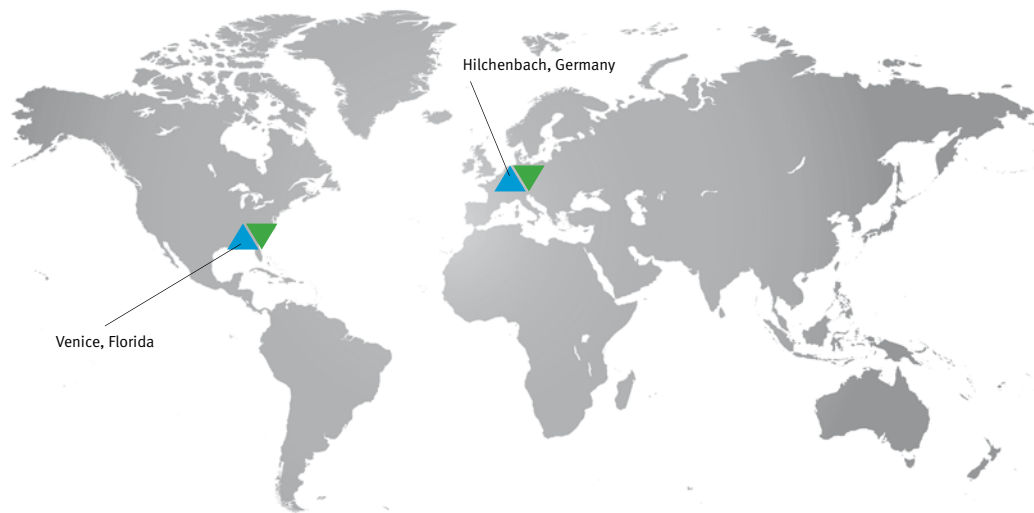
- ▶ Maximized throughput with belt speeds up to 3 m/sec (9.8'/sec) or 180 m/min (300 ft/min)
- ▶ Highest eject accuracy with up to 160 valves per 1 m (39")
- ▶ Working widths available from 500 mm (20") up to 3,000 mm (118")
- ▶ Pneumatic control valves for particle sizes as little as 6.4 mm (1/4") are possible
- ▶ Turnkey integration including conveying system

It is your choice

The modular **Varisort** system allows perfect adjustment to your needs. Simply choose between **Varisort M** which separates all metal types down to a diameter of 0.6 mm (1/32") and **Varisort S** for pure stainless steel. Every model is available in six different working widths – from 500 mm (20") up to 3,000 mm (118"). In addition you can select between a basic and an extended version which offers unique features (e.g. inspection door/window, longer acceleration belt). On demand models with optical separation between non-ferrous metal types or with chemical composition for sorting alloys are available.



For more information visit: www.sicon.eu



Contact us – the recycling experts

With more than 12 years experience in the recycling industry SiCon is your reliable partner for the engineering and realization of recycling plants. Many well-known recyclers already trust in our services. When will you contact us to get more out of your metals?



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