



Metals Recycling

Holman-Wilfley



Electronic Waste with Liberated Metals

Holman-Wilfley Ltd, are specialists in the recovery of valuable metals from scrap material - including the smallest particles of gold, silver palladium and platinum.

The company can offer a range of machines each designed to maximise the recovery of valuable metals while meeting legislation and minimising environmental impact.

With electronic scrap, the valuable metals are sorted and then a final wet process produces a concentrate for direct smelting. To maximise the recovery of copper core from wire for example, dry copper/plastic separation is followed by a final wet process system.



Gravity Concentration with Table

Gravity Tables can also process the dust component produced during upstream dry recovery methods used in scrap metal and car shredding operations. This dust component is treated using refined mineral recovery techniques. The objective is to generate a metal-free organic waste for incineration, removing this growing mass of waste from landfill, and to recover, for re-use, the valuable metal components.

Holman-Wilfley processes are also called upon to separate metals from other recyclable materials. Plastic recycling is a good example, with metal 'contaminants' being removed and the pure plastic then being easily reprocessed.



Metal Concentrate Product

Importantly, these processes answers the concerns and requirements of the European Commission under its 'WEEE' directives (Waste from Electrical and Electronic Equipment).

Holman-Wilfley Ltd will work with clients to offer advice, supply components such as shaking tables for the reprocessing of fine metal wastes.

TYPICAL APPLICATIONS

- High grade metal values (Pd, Pt, Au, Ag) from electrical scrap.
- Copper recovery from wire recycling plants.
- Secondary metal recovery from slag.
- Scrubber dust metal recovery.
- Waste metal removal from plastic recycling.
- Processing of telecommunications cable.

For more information, please contact us at:

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* Calls will cost 2p/minute plus your company's access charge



SIMS
RECYCLING
SOLUTIONS





Minerals Separation

Holman-Wilfley Ltd are the globally recognised supplier of high quality shaking tables that are precision made to produce the best gravity separation.

Our team of experienced engineers manufacture and assemble our tables at our factory site in the United Kingdom where the machines are built to very high standards under strict quality control conditions.

The tables are constructed of the highest quality materials on the market and have been tried and tested in the field over many decades.

Shaking tables provide the most efficient gravity separation of sub 2mm materials. With over a century of use concentrating minerals, both Holman and Wilfley units have proved themselves as the market leaders. Holman-Wilfley customers are currently using tables to produce concentrates of gold (alluvial and milled ore), tin, tungsten, tantalum and chromite, where the tables are usually used as the final stage in gravity circuits.

Table Capacities		
Model	Capacity (Kg/hr) (Particle size dependent)	Motor Power (kW)
Holman 800	<75	0.37
Holman 2000	<450	1.5
Holman 3000	<850	1.5
Wilfley 7000	<2500	2.2
Wilfley 7000 (Double Deck)	<5000	2.2 (x2)
Holman 8000	<2500	1.5
Holman 8000 (Double Deck)	<5000	1.5 (x2)

KEY BENEFITS OF HOLMAN-WILFLEY TABLES:-

- Simple gravity recovery system.
- Built from high durability materials including galvanised steel and polyurethane.
- Constructed using strict quality control.
- Environmentally attractive with low power consumption and no reagents used.
- Metal recovery to <40 microns (Au to ~ 10 microns).
- Custom riffle patterns to suit application.

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Some of our current mineral separation customers...

