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METALS USED IN A PC

The following table gives an overview of the metals used in an average personal computer. It should be noted that the data in this table is gathered from a number of sources available online, and not on makeITfair's own research. While it should therefore be regarded as an overview of available knowledge, makeITfair cannot guarantee that all information is fully correct, or still applicable for current-day PCs. This table should therefore be interpreted with caution, and regarded as an indication of the use of metals in this consumer product. More research would be needed to give a fully accurate account.

What metal?	What is it used for?	How much is in it?	How much can be recycled?
Aluminium	<ul style="list-style-type: none"> • Covers • Cables • Housing • Monitor • Wiring board • Connectors 	14.7 %	80%
Antimony	<ul style="list-style-type: none"> • Housing • Monitor • Wiring board 	0.01 %	0%
Barium	<ul style="list-style-type: none"> • Monitor 	0.03 %	0%
Beryllium	<ul style="list-style-type: none"> • Circuit board • Hard disk drive • Motherboard • Wiring board • Connectors 	0.02 %	0%
Cobalt	<ul style="list-style-type: none"> • Coating • Hard disk drive • Housing • Monitor • Wiring board 	0.02 %	85%
Copper	<ul style="list-style-type: none"> • Chips • Monitor • Wiring board • Connectors 	6.9%	90%
Chromium	<ul style="list-style-type: none"> • Decoration • Housing 	0.006%	0%
Gallium	<ul style="list-style-type: none"> • Wiring board 	0.001%	0%
Gold	<ul style="list-style-type: none"> • Motherboard • Wiring board • Connectors 	0.002%	99%
Indium	<ul style="list-style-type: none"> • Transistor • Wiring board 	0.002%	60%

Iron	<ul style="list-style-type: none"> • Structural • Housing • Monitor • Wiring board 	20,4712%	80%
Lead*	<ul style="list-style-type: none"> • Monitor • Wiring board 	6,2988%	5%
Manganese	<ul style="list-style-type: none"> • Housing • Monitor • Wiring board 	0.0315%	0%
Nickel	<ul style="list-style-type: none"> • Hard disk drive • Housing • Monitor • Wiring board 	0.8503%	80%
Palladium	<ul style="list-style-type: none"> • Wiring board • Connectors 	0.0003%	95%
Platinum	<ul style="list-style-type: none"> • Wiring board 	Trace	95%
Ruthenium	<ul style="list-style-type: none"> • Wiring board 	0.0016%	80%
Rhodium	<ul style="list-style-type: none"> • Wiring board 	Trace	50%
Silicon	<ul style="list-style-type: none"> • Wiring boards • Microprocessors 	24.8803%	15%
Silver	<ul style="list-style-type: none"> • Wiring board • Connectors 	0.0189 %	98%
Strontium	<ul style="list-style-type: none"> • Monitors 	N/A	N/A
Tantalum	<ul style="list-style-type: none"> • Wiring boards • Power supply 	0.0157%	0%
Tin	<ul style="list-style-type: none"> • Monitor • Wiring board 	1.0078%	70%
Titanium	<ul style="list-style-type: none"> • Paint • Housing 	0.0157%	0%
Vanadium	<ul style="list-style-type: none"> • Monitor 	0.0002%	0%
Yttrium	<ul style="list-style-type: none"> • Monitor 	0.0002%	0%
Zinc	<ul style="list-style-type: none"> • Battery • Monitor • Wiring board 	2.2046%	60%

* Lead has been one of the metals phased out of modern electronics, due to the Restriction of Hazardous Substances (ROHS) directive of the European Union.

** used as an alloy, meaning that it is combined with another metal.

Sources:

- Basel Action Network; Exporting Harm: The high-tech trashing of Asia, 25-02-2002 Annex 1: Composition of a Personal Desktop Computer based on a typical desktop computer, weighing ~70lbs