TECHBUYER'S GUIDE TO...

REFURBISHED IT

Techbuyer

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What is Refurbished Technology?

A refurbishment process, also known as refurbishing or renovation, is the practice of restoring or renovating an existing product to improve its condition, functionality, and aesthetics.

Refurbishing electronics or IT hardware typically involves restoring used or pre-owned items to like-new or near-new condition.

Techbuyer's Refurbishment Process

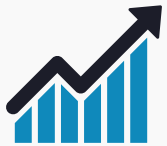
Techbuyer has a 25-point testing process which includes an aesthetic repair and clean, GDPR compliant data erasure, BIOS upgrade, the testing of all parts, and a test report generated after completion with a performance review using market-leading software.

Why Choose Refurbished Hardware?

Many businеitechnology lend themselves incredibly well to the refurbishment process – this is a fantastic cost saving area for many companies!

Save money on IT equipment

Extend the lifespan of quality technology



Invest in higher performance kit for a reduced price

Performs as well as new with the right configuration

3-year warranty for full peace of mind

Immediate availability and legacy equipment

Not only does refurbished offer a way to maximise IT budget – increasing how much you can get for your money – refurbished technology also provides a more sustainable option, extending the lifespan of hardware and diverting e-waste from landfill.

For many industries, including the public sector, refurbished is also a requirement within IT infrastructure.

Research Study

Refurbished IT Hardware That Performs as Well as New

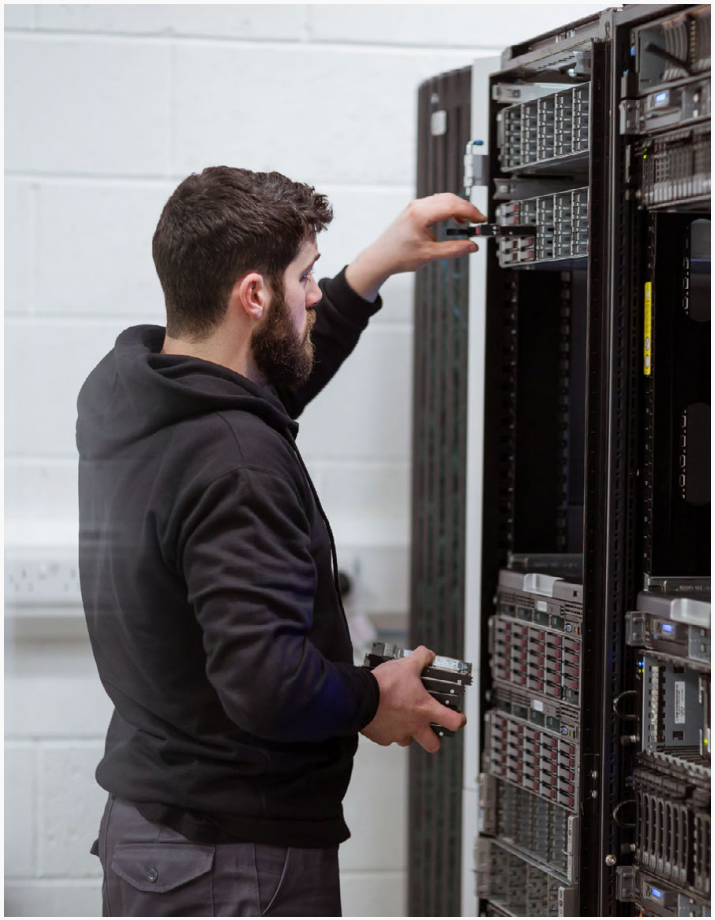
When it comes to IT equipment, servers in particular account for a significant portion of a facility's overall energy consumption and environmental impact. Servers, therefore present a huge opportunity from a circular economy perspective.

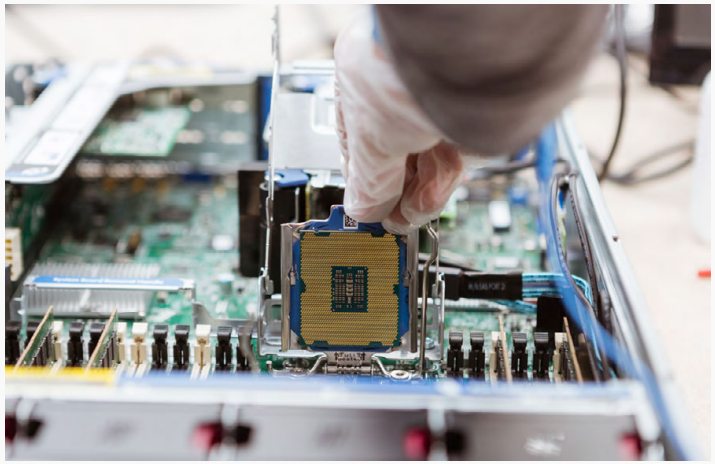
To reduce the environmental impact of servers, we must recognise the effect that manufacturing, operating, and refreshing servers has on the environment. We published a research paper with the IEEE, exploring the efficiency of servers, both new and refurbished. Our work gives new insight into the effect on the environment that refreshing servers with remanufactured and refurbished components has.

The research takes into consideration Moore's Law and the latest changes in CPU design trends. The study measures and analyses the use phase energy consumption of remanufactured servers vs new servers with various hardware configurations.

It has been a widely held belief that each successive generation of server is more efficient than the last, and that regularly refreshing to new IT hardware will halve the energy bill of in use servers whilst increasing performance.

The research proves that mechanical and electrical parts don't wear the same – the use of mechanical parts leads to degradation whilst the use of electrical parts does not. This is an impactful finding as it proves that performance doesn't degrade over time.





Configuration is King

Our research uncovered the opportunity for cost savings by using refurbished servers in refresh cycles to enhance the performance and efficiency of servers.

Our findings showed that the reliability of refurbished servers is nearly identical to that of new servers. This stems from the fact that peripheral components like HDDs and power supplies are most prone to failure and are frequently replaced during the refurbishment process.

Second hand IT equipment performs identically to new when refurbished to a high quality and configured correctly and upgraded machines can even outperform basic configurations of new machines. It is here that we found configuration is king.

Significant overall efficiency improvements are to be found when reconfiguring younger servers through tactics such as balanced memory configurations, upgraded processor technology, and storage reconfiguration.

Why Choose Techbuyer?

Techbuyer is a sustainable IT solutions provider with the circular economy at its core. Our team's priority is to extend the product lifecycle of IT equipment wherever possible, in order to reduce the amount of useful technology entering the planet's waste stream.

Techbuyer

Maximised IT Budgets

Sustainable IT Solutions

Free IT Consultancy and Health Check

Same or Next Day Delivery in the UK

Over 200,000 Parts in Stock

3-Year Warranty On All Equipment

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