Geo. Kingsbury Machine Tools Ltd

focus group

Kingsbury now enjoys a fast and robust LAN and Wi-Fi network with a robust security infrastructure thanks to our bespoke solution.

Location: Gosport, Preston, Warwick | Number of sites: 3 | Number of users: 65

About Geo. Kingsbury

For over 60 years, Geo. Kingsbury Machine Tools Ltd has provided high-quality milling, turning, grinding, and 3D metal printing solutions, backed by extensive expertise.

Through their engineering expertise and cutting-edge machine tools, Kingsbury has developed innovative production solutions, machining parts faster and more efficiently than the competition.

The project

Kingsbury reached out to us to evaluate their existing SAN solution which was based on Microsoft 2012 Server along with their current managed service provider (MSP) relationship and overall IT infrastructure.

It was clear to our experts that much of their technology had been well used and was coming to the end of its life. For example, Kingsbury was using older Cisco Meraki firewalls that were about to lose support, along with an ageing LAN and Wi-Fi network. This could be a problem as ageing systems can pose potential security risks, and when installed, the requirements were completely different to today's requirements and standards.

For example, many of the high-tech equipment Kingsbury sells and supports these days are Wi-Fi-Connected. However, Wi-Fi in the warehouse had not been a consideration when the previous access points were deployed.

Kingsbury

The solution

Key features include:

- HP Aruba LAN & Wi-Fi
- Azure VM & Azure Files
- M365 Business Premium

- Cyber Security Awareness Training & Testing plus GDPR
- Cyber Essentials Consultancy

Our experts upgraded Kingsbury's LAN and Wi-Fi to HP Aruba, using OM4 fibre and Cat6a cabling, along with stacked 1960 switches for a resilient core, ensuring network reliability.

HP Wi-Fi 6 access points were installed site-wide, secured by SonicWall TZ670s, with remote sites following the same model. The outdated Microsoft 2012 servers and SAN were retired, and data was migrated to Azure Files, with applications deployed in Azure VMs.

We also implemented M365 Business Premium, Intune, and Dell laptops with AutoPilot for staff to utilise. Then, to top it all off, we provided Premium MSP services whilst managing backups, and conducting regular cybersecurity training, supporting Kingsbury's pursuit of Cyber Essentials certification.

The result

Kingsbury now benefits from a fast, reliable LAN and Wi-Fi network across all three sites, with seamless data access and regular backups for business continuity. An additional key achievement in our work enhancing security so Kingsbury met Cyber Essentials certification standards. Kingsbury also chose our UK-based MSP Premium service for personalised support, moving away from impersonal call centres.

Overall, Our work has improved Kingsbury's infrastructure, security, and productivity while ensuring future protection from cyber threats. This collaboration highlights our dedication to both technological improvements and safeguarding businesses against potential risks.

"From the start, we were very clear that as a Company we have no IT Department, so a priority was to work with an IT provider of a size to be able to understand our needs, provide help and local support when required to deliver a significant project for us.

I am very happy with the end result and can see significant improvements, especially when working remotely. Project managed and delivered by a team who often worked out of office hours to deliver the solution with minimal business disruption. We looked at many companies, nearly all tried to steer us in a different direction, so I am confident that we selected the right one for this project and to support us going forward."

Peter Kingsbury – Operations Director