



# Makino Revolutionizes Manufacturing Improves Production Time by 20x with Aryaka SmartCONNECT

## Company Profile

### Industry:

Manufacturing, Machinery

### Company Size:

4000+ employees

### Headquarters:

Tokyo, Japan

North American, Mason, Ohio

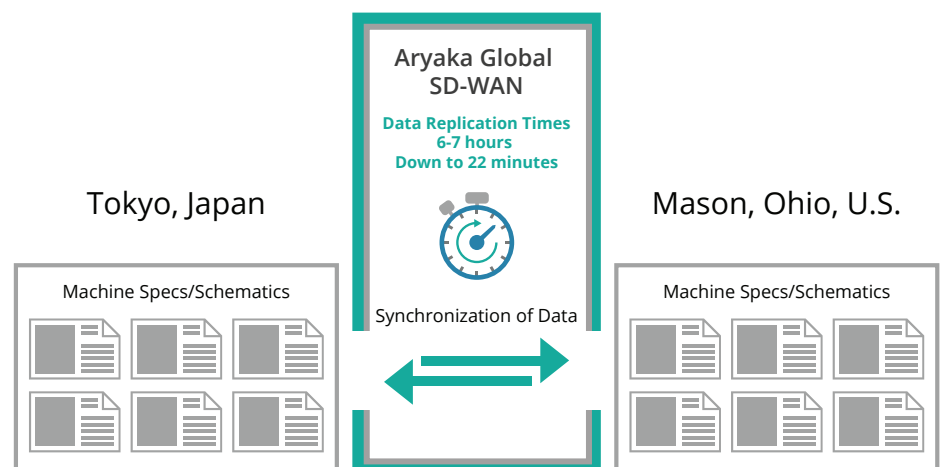
*"Aryaka's SD-WAN is a global fast lane for all our applications. We now deliver data and applications to every end user as if it lived in the local datacenter."*

**Glenn Hensley**  
IT Infrastructure Manager  
Makino

## The Challenge

Since 1937, Makino has been a global leader in metal-cutting and manufacturing with locations in Europe, North America, Japan, and other regions in Asia. As part of their digital transformation, the company has been building a global network to meet their business expansion requirements and expedite data exchange between distributed R&D departments and tech centers.

Makino synchronizes massive amounts of data for machine specs and schematics from their headquarters in Tokyo to their tech center in Mason, Ohio. File synchronization would take roughly 6-7 hours daily and had to be done overnight to minimize adverse effects on performance. There were occasions where the process would not be completed by the time U.S. employees started their work day, creating a drain on operational efficiency. In addition, Makino had recently acquired several other companies and knew that legacy network solutions such as MPLS and WAN Optimization hardware would not be able to keep pace with the number of sites they needed to onboard quickly.



*Synchronization of data between Makino headquarters in Japan to their tech center in the U.S.*

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## The Solution

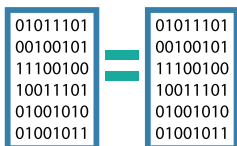
WAN Optimization hardware had been implemented in the past to improve data and application delivery, but to upgrade at every existing site would have been cost prohibitive. Makino also considered deploying Internet-based SD-WAN, however that wouldn't have solved the latency issues between the sites in Asia and the United States. It also wouldn't have provided the stable connection that Makino needed for data synchronization.

Instead, Makino went with Aryaka's SmartCONNECT SD-WAN as a Service to meet all their requirements. After deploying the solution, Makino noticed a dramatic improvement in performance and data transfer times immediately. The file synchronization that took 6-7 hours, now took only 22 minutes which allowed them to become more responsive. This also opened up new possibilities for their business, giving them a massive competitive advantage in their industry. As additional sites were needed, setup took between 2-3 days compared to the weeks or months it would take for an MPLS deployment, allowing Makino to ramp up their business rather than being held up waiting to bring sites online.

Makino is set to embark on a future cloud strategy where 90% of their data and applications will be in cloud by next year. Since Aryaka SmartCONNECT provides accelerated access to any application, on-premises or in the cloud, they now have an infrastructure in place to handle the upcoming migration, and can deliver data and applications to every end user as if it lived in the local datacenter.

## RESULTS

**Data Replication Times**  
6-7 hours down to 22 minutes



**97% Data Reduction**  
Across Applications



**Application Improvement**



**As Much as**  
99MBps Peak Bandwidth Saved



**Deployment in Days vs. Weeks**  
or Months for MPLS



**LEARN MORE | [info@aryaka.com](mailto:info@aryaka.com) | +1.877.727.9252**

### About Aryaka Networks

Aryaka is transforming how global enterprises connect sites and users worldwide, and use mission-critical applications to support modern business execution demands. Aryaka's Global SD-WAN combines a purpose-built private network, SD-WAN, optimization and acceleration techniques, connectivity to cloud platforms, and network visibility in a single solution that is delivered as a service.