

CASE STUDY: CUSTOM TRUCK ONE SOURCE

Next-Level Efficiency and Safety.

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Make every pull a safe pull™



scope



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About Custom Truck
One Source.

Custom Truck One Source, a leading provider of specialized commercial and industrial heavy equipment solutions, has always been committed to delivering top-notch service and reliability.

In a bold move to enhance the efficiency and safety of their operations, Custom Truck One Source has implemented advanced AI technology to automate the visual inspection of ropes used in their rental division across North America. This innovative approach has led to the inspection of over 15 million feet of rope, significantly improving the identification and management of their stringing lines and pullers across their extensive fleet.

The Challenge

With a vast fleet of equipment spread across North America, Custom Truck One Source faced the monumental task of ensuring the integrity and safety of the lines used in their striging and pulling division. Traditional manual inspection methods were time-consuming, labor-intensive, and prone to human error. The company needed a solution that could handle the sheer volume of inspections required while maintaining high standards of accuracy and safety.

“Scope Computer Vision Technologies has allowed our team of inspection professionals to improve safety standards and best practices around stringing equipment across our rental fleets. We service major transmission and distribution projects across the country - supporting them by ensuring our customers of properly inspected stringing lines is key. From day one the Scope team has been transparent about their goals for improving the product, and their customer success team has been incredible guiding us through updates and applications.”

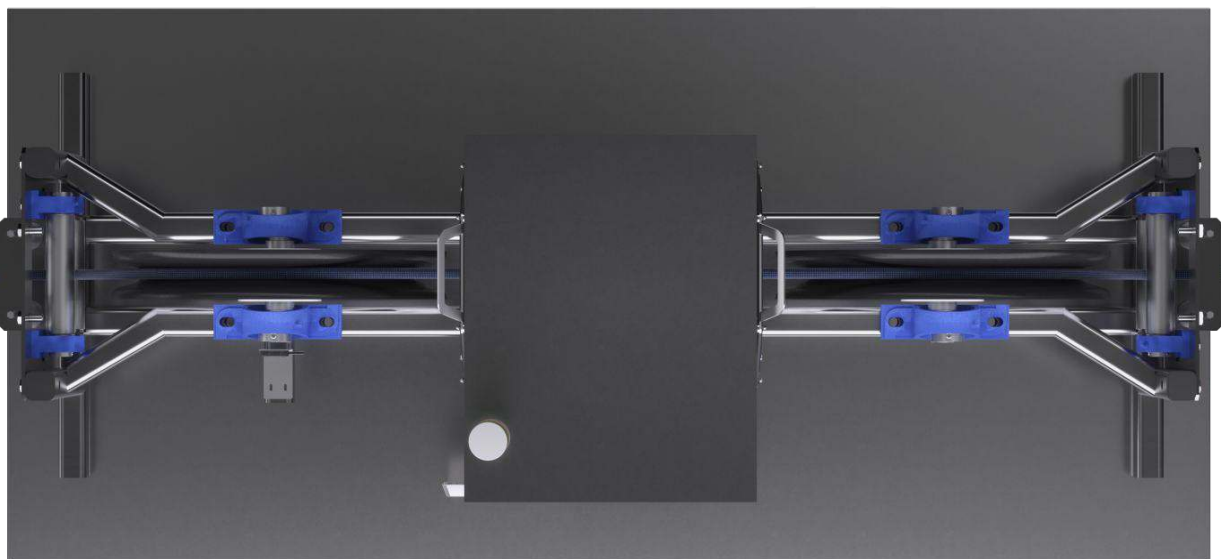
Jeff Henes, Director

Pulling & Tensioning, Custom Truck One Source

The Solution

Custom Truck One Source partnered with Scope Computer Vision Technologies to deploy an AI-driven visual inspection system. This state-of-the-art technology utilizes machine learning algorithms to analyze rope conditions, detect potential weaknesses, and predict failures with remarkable precision. The AI platform was first integrated into the company's existing US inspection program and soon after deployed the technology in Canada, augmenting inspection crews.

Custom Truck One Source's successful use of AI for automating the visual inspection of ropes demonstrates the transformative impact of technology on operational efficiency and safety. By embracing AI, the company has not only improved their own processes but also paved the way for industry-wide advancements. The integration of AI has proven to be a valuable investment, yielding substantial benefits and positioning Custom Truck One Source as a leader in the field of specialized truck and heavy equipment solutions.



The product feedback and insights to the inspection process has been incredible. As we continue to increase inspection volumes across CTOS' US and Canada locations, our teams are also looking forward to deploying our inspection units for wire rope.

Jeff Henes, Director

Pulling & Tensioning, Custom Truck One Source



The Wins & Successes

The benefits of implementing Scope were evident from the early development stages through the final handoff to operators. Custom Truck One Source has revolutionized rope inspection with AI, inspecting over 15 million feet and setting new industry standards for safety and efficiency.

01

Massive Inspection Volume

Custom Truck One Source successfully inspected over 15 million feet of rope using the AI-driven system. This unprecedented volume of inspections would have been impossible to achieve using traditional methods.

02

Enhanced Identification and Fleet Management

The AI system enabled precise identification and tracking of stringing lines and pullers across the entire fleet. This improved asset management and ensured that only ropes in optimal condition were deployed.

03

Increased Safety

By accurately detecting potential issues before they became critical, inspection professionals + the AI system significantly reduced the risk of rope failures, enhancing the overall safety of operations in the field.

04

Setting Industry Standards

Custom Truck One Source's successful integration of AI technology into their inspection process across North America has set a new benchmark for best practices in the industry. Their commitment to innovation and safety has inspired other companies to explore similar advancements.



About Custom Truck One Source.

Custom Truck One Source aspires to be the North American industrial icon in specialty trucks as a leading supplier of trucks and custom equipment to utility, rail, telecom, infrastructure, forestry services and other specialty equipment operators.

Inspired by a family gas station and tow service, Custom Truck One Source was founded by the Ross siblings in 1996 with 15 employees. Now with over \$1 Billion in annual revenue and over 2000 employees, Custom Truck One Source's Central Headquarters now occupies the 75-acre site that formerly housed Armco Steel in Kansas City's Historic Northeast neighborhood.

True to our name, Custom Truck One Source assembles, sells, rents, and services trucks, cranes, and other heavy equipment across North America and throughout the world. Our clients include some of the largest utilities, telecom, construction, forestry, oil, and rail companies in the nation.



Ready to experience the difference?

Get in touch with our sales and support teams for demos, onboarding support, product inquiries or general questions.

Scope Cutting-edge Solutions for Rope Safety

Schedule a Call

Speak to our sales team about specific needs, plans and pricing, or request a demo.

[View Availability](#)

Help & Support

Reach out if you'd like to learn more about our offerings, join our team, or partner with us.

support@visionbyscope.com

General Communication

For other queries, please get in touch with us via email.

contact@visionbyscope.com

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