



**For Immediate Release:**

*Announcing:* Gi ships out another Gi-6v-360 and a LaserLab to U.S. munitions manufacture

Davisburg, MI: General Inspection, LLC

The first Gi-6v to inspect a variety of both pistol and rifle cases has been delivered. All calibers run on the same machine due to its interchangeable feeder plates and quick to recall template software. The Gi-6v is equipped with 8 laser beams and 12 vision systems, which can capture more than 360° around the part (both dimensions and visual defects). The 12 vision systems consist of Primer Vision for pocket diameter and head stamp verification, Mouth vision for deformed mouths, wall thickness, and splits.

Case vision consists of eight of the 12 vision systems for perforations and splits, discoloration, dents, draw scratch, acid burns, corrosion, wrinkle, bulge, or scaly metal, per MIL-STD-636.

The Laser Gauging aspect of the Gi-6v consists of eight laser beams checking dimensional values of the part, such as: length to shoulder, neck diameter, overall length, head diameter, full form, etc... The final and perhaps most unique is the 3D Primer Depth Vision System which captures primer pocket depth and anvil height. Even with all stations and the multitude of inspections, the Gi-6v is able to inspect 300 parts per minute.

The Gi-6v currently inspects 100% of the case production. Defects detected plus the data provided by the Gi-6v are used to improve the case making process. The results are: reduction in variation, improved profitability and delivery of zero defects.

The LaserLab delivered to this munitions factory is another Instrument of Lean Manufacturing™, it is a first piece inspection system to ensure you are consistently producing high quality products. Placing the LaserLab after each step of the manufacturing process allows for quick and accurate FAIRs (First Article Inspection Reports). The part is measured in the LaserLab and when the features are not centered between the upper and lower specifications, the LaserLab will provide data to the operator to adjust the machine. Getting the set up right the first time has a multitude of benefits: centered distribution, improved profitability, elimination of scrap, longer tool life and delivery of zero defects.

Contact General Inspection, LLC at 248.625.0529 or visit [www.generalinspection.com](http://www.generalinspection.com) for more information regarding their latest ammunition technology.

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