

PRESS RELEASE

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Jonesville Tool & Manufacturing Inc. and Optimized Solutions, LLC collaborate on the Variable Frequency Damper (VFD) technology.

Patented VFD technology allows a flexible cost and time-effective solution to a torsional vibration problem after the vehicle/machine has already been produced/installed.

Plymouth, Michigan, February 10, 2021: Jonesville Tool & Manufacturing Inc. (JTM) started in 1988 as a general tool shop, designing and building tools and gauges for local companies. JTM then progressed into special machine building, and CNC machine rebuilding and retrofitting. More than three decades later, JTM is a world-class precision contract manufacturer of CNC machined products, servicing a wide range of customers around the globe. JTM has recently procured a non-exclusive license from Optimized Solutions, LLC (OpSo) for the VFD technology (more details @ <https://www.linkedin.com/feed/update/urn:li:activity:6761979230042558464>) that enables it to produce and sell both prototype and production parts.



"The partnership with JTM is greatly valued by OpSo, this allows exposure to both local companies and to international markets where JTM has an established footprint," said Suhale Manzoor, Esq. the founder and president of OpSo. *"The VFD technology in particular is a great fit as it plays into the collective strengths of both organizations."*

"The Synergy between JTM and OpSo is what makes this partnership work," said Neil Caulkins the President and COO of JTM. *"While OpSo specializes in product design and development, JTM excels in manufacturing."*

The VFD Technology is the only available solution to a problem that is all too common in the industry – the late discovery of a torsional vibration issue after the vehicle or machine has been produced or installed. An ancillary advantage of this invention is that it also alleviates a logistical problem of reducing the part-numbers required across vehicle platforms. By its unique ability to be tuned during installation the same components can be used to create entirely different vibration dampers.

"JTM and OpSo have a unique symbiotic relationship," said Cary Addleman the Vice-president and Engineering Manager of JTM. *"Both organizations work cohesively to develop technical solutions that are not just functional but those that can be manufactured cost and time-effectively."*

Key Advantages:

- JTM has a broad client spectrum that would benefit from this invention.
- JTM is aimed at penetrating at three levels:
 - OEMs
 - Tier Suppliers
 - Aftermarket
- JTM has prior experience in manufacturing torsional vibration dampers particularly for automotive drivelines and powertrains.



OpSo seeks to partner with clients in the Noise Vibration and Harshness (NVH) arena that could benefit from the VFD technology. More information about OpSo and the VFD technology may be found at: <https://opsollc.com/variable-frequency-damper>.