

GPS Based Vehicle Pass-by-Noise Solution from m+p international

Cooper Tire operates several test tracks across the USA to aid their advanced noise and vibration design and development. They also provide services to outside companies in key areas such as vehicle pass-by-noise testing. Recently, Cooper Tire chose m+p international's unique GPS based Pass-by-Noise (PBN) testing system. Test Track director Carson Miller explains, "We looked at every system on the market for our application - m+p's GPS triggering, customization and single button export to our result format was unmatched. Their superb technical support was the key to getting us up and running quickly as well as adding new features to streamline our process."

This single person operated system is the only currently available PBN solution which does not require the old optical triggers and radar units. Optical triggers and radar units prevent flexible setup and have many mechanical limitations. Often various size vehicles and different tests require moving the trigger point. m+p international's PBN solution allows this in seconds and also enables audible tones and indicators to help the operator adjust the throttle position for the on and off points - allowing quick tuning and repeatable results.

The latest ISO 362 and ECE Reg. 51 revision 3, which add significant new measurement requirements over and above the old procedures, have been implemented along side the existing 1998 standards allowing direct comparison of data as required during the current transition period.

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