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FOR IMMEDIATE RELEASE: 4/08/09

PHOTO: PFM.9.2.DRO.JPG ▼



**PFM 9.2DRO-Live On-Car
Brake Lathe**

PRO-CUT DOES IT AGAIN IN FORD TRUCK EVALUATION

PFM 9.2 Consistently Brought Trashed Rotors Back to Spec

West Lebanon, NH

The Pro-Cut PFM 9.2 on-car lathe preformed flawlessly in the final stage of a two-part evaluation by Ford Motor Company. The March 12, 2009 test put the lathe to work on front and rear rotors of a 2009 Ford F350 pick-up truck. **In the single pass format, the Pro-Cut lathe cut each of 10 rotors to within specification for thickness variation, run-out, and surface finish every time.** The first stage of the Ford evaluation was done in August 2008 and focused on cars only. This study was for trucks.

The evaluation used 4 new rotors and 6 old rotors that had been returned for warranty. Rotors were mounted on the hub with either 100 microns (0.004") or 200 microns (0.008") of induced run-out. Lathes were only allowed one pass to eliminate all run-out. Cuts were made on the front and rear of a **2009 Ford F350**. The tests were conducted by a LDW Associates at their lab in Melvindale, MI.

Ford set a threshold of 50 microns (0.002") for run-out, 9 microns for thickness variation, and 100 Ra for surface finish.



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FORD SPECIFICATIONS

Lateral Run Out Spec: 50 microns
Thickness Variation Spec: 9microns
Surface Roughness Spec: 100 Ra

 = out of spec
 = in spec

Pro-Cut PFM 9.2 Truck Trial

March 12, 2009

Tested at LDW & Assoc, Melvindale, MI

	BEFORE		AFTER		
	Run-out (microns)	TV (microns)	Run-out (microns)	TV (microns)	Surface Finish (Ra)
Ford F350 (new rotor)	213.8	3.7	27.6	3.4	65
Ford F350 (new rotor)	111.1	1.3	22.9	4.6	75
Ford F350 (new rotor)	115.5	4.0	21.7	1.8	86
Ford F350 (new rotor)	191.0	3.6	21.9	1.6	63
Ford F350	209.4	18.7	47.9	1.5	65
Ford F350	194.1	76.8	31.9	6.2	67
Ford F350	211.7	10.6	23.6	3.5	62
Ford F350	110.5	22.3	21.8	2.9	79
Ford F350	244.9	97.2	36.2	5.3	87
Ford F350	122.9	65.8	22.4	8.5	82

The results from cuts made with Pro-Cut's new PFM 9.2 package fell well below the thresholds established by Ford and have confirmed to the industry that Pro-Cut lathes are the only on-car product that can meet and exceed these tightening industry standards. In ten tests the Pro-Cut lathe averaged 27 microns- about 0.001"- of run-out (25 microns = 0.001"). Thickness variation ranged averaged less than 4 microns.

"Many of the rotors that were cut would have been considered 'beyond saving' by any reasonable tech," said Pro-Cut product manager, Geoff Womer," it was amazing to see the Pro-Cut bring them back to life."

Pro-Cut International is the world leader in on-car brake lathes. The company is located in West Lebanon, NH.

For more information visit www.procutusa.com or contact Geoff Womer @ 800-543-6618, Ext. 124.