

THE DINGER

IQC TEST SYSTEM



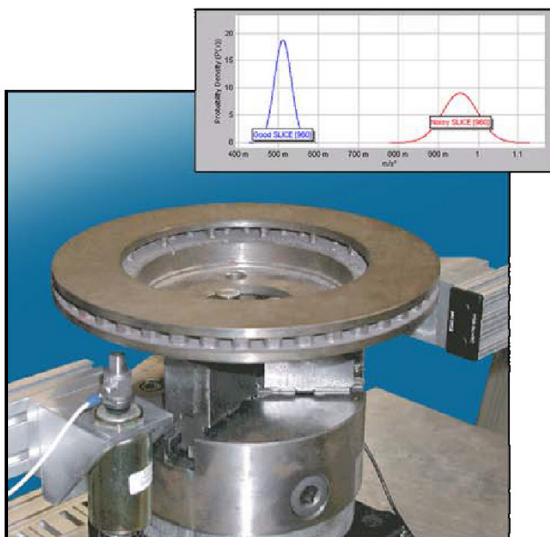
Ding it with IQC

The Dinger is a fast yet sensitive NDT (non-destructive test) system used for batch or 100% inspection of raw or machined metal cast, fabricated, sintered, forged, die cast, or ceramic parts. It's built on our IQC foundation that's in daily production use by customers world-wide, and has tested over a million parts. It allows you to dramatically improve the shipped quality, by quickly and reliably identifying parts with either global or local manufacturing defects.

Who Should be Interested?

Manufacturers in mature industries making parts in high or low volumes can greatly benefit from this technology. And if you're a manufacturer with good quality at present, but are searching for an NDT inspection method for sorting to narrow tolerances for your best customers, you'll find The Dinger to be a great solution.

The only inspection system written into the Daimler Chrysler brake rotor inspection standard.



Who Uses it?



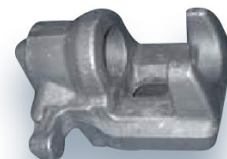
Lower Engine Blocks



Turbocharger Housing



Brake Rotors

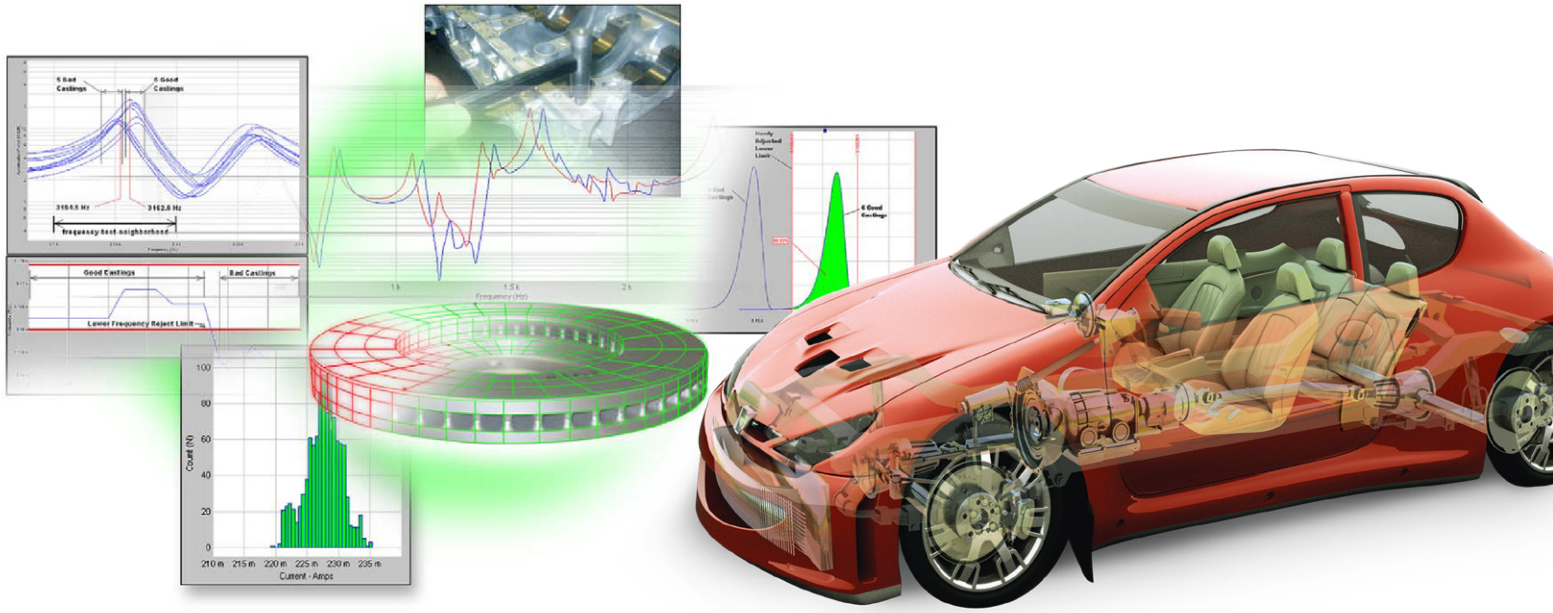


Brake Calipers



Welded Strut

100% PRODUCTION TEST SYSTEM



FAQS

Is it repeatable? As repeatable as your PC! And it's based on good old, granite-solid, unchanging laws of physics, so it's reliable.

Is it safe? Yes, The Dinger's robust packaging is suitable for in-plant installation & use.

Is it hard to install? No! We give you the benefit of our many years experience by including several pre-configured, common setups - just choose the one closest to your situation and make a few simple configuration changes. Or, if you prefer, you can contract with us for complete installation and training. Our tinkertoy-simple fixturing kit contains everything you'll need to get started.

Can it measure Damping? Yes! Damping and Q-Factor measurements are also possible with The Dinger.

Can it keep historical data? Only if you want it - you decide! If you just want Go/No-Go, it's that simple. If you want to keep track of data for SPC, just click a box! There are also many simple yet flexible options for serializing the historical data. If you do want it, there are several sophisticated statistical analysis options.

Is it environmentally friendly? Yes! No dangerous fluids, radiation, or emissions.

Is it expensive? No! Contact us today for a free, no obligation requirement review.

I think I've heard of this NDT technique before, some people call it resonance testing. What's so unusual about your product? We've successfully married inexpensive compute power with new transducer and DSP technology in a unique package. The Dinger operates on well-established principles of physics, in the range of normal human hearing. And we'll even test your sample parts free, to show how it works for you!

How can I find out more? See it / Listen to it in Action! Visit www.signalysis.com to see a video of an actual test on typical parts.

NDT Alternatives

X-Ray	Slow, sensitive to small local flaws, expensive
Ultrasonic	Slow, ambiguous results, hard to use, expensive
Die Penetrant	Slow, inexpensive, not environmentally friendly
Bouyancy / Density	Slow, inexpensive, low resolution
Manual Inspection	Inexpensive, subject to repeatability of operators
The Dinger	Fast, sensitive to both distributed and local effects

