

# THE DINGER

IQC TEST SYSTEM



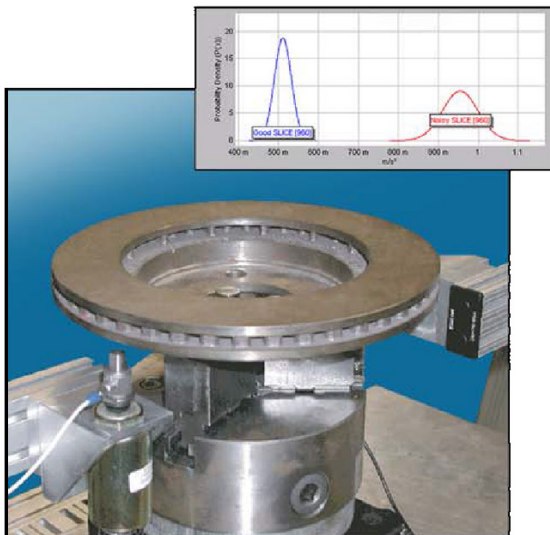
## Ding it with IQC

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?



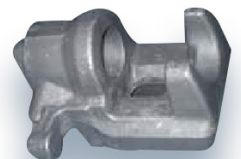
Lower Engine Blocks



Turbocharger Housing



Brake Rotors

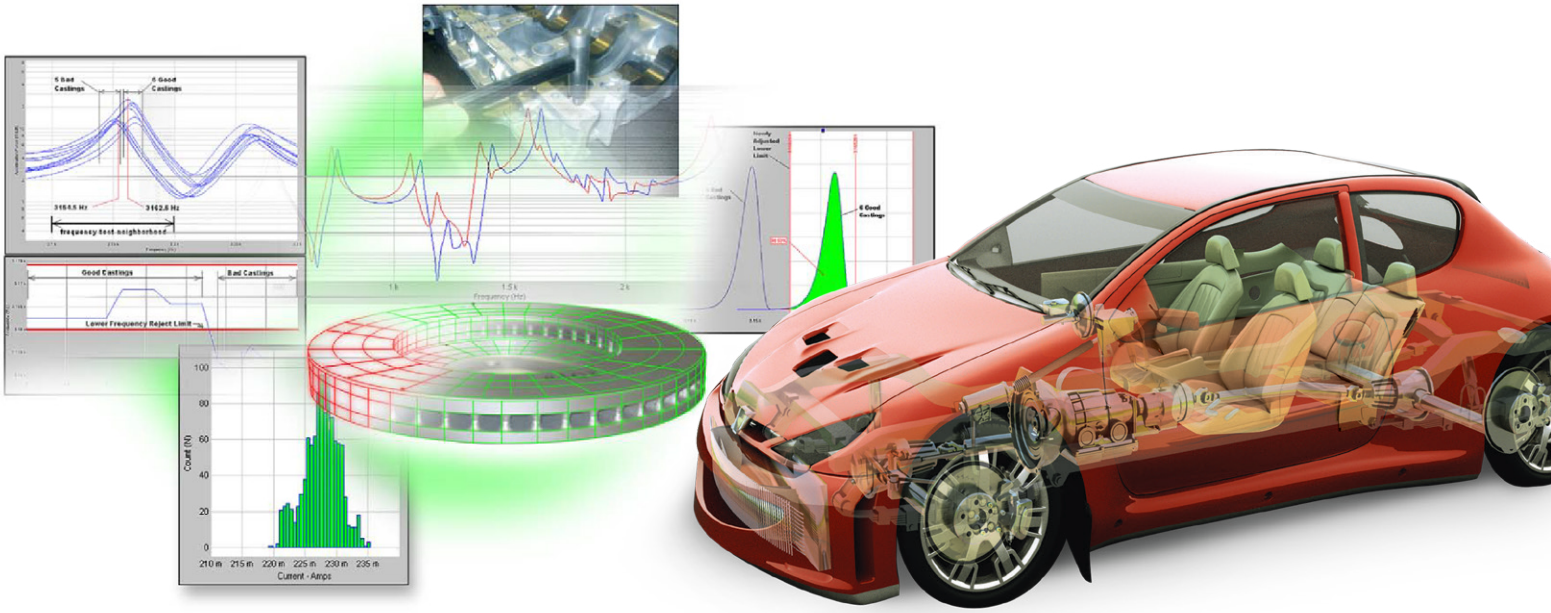


Brake Calipers



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](http://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

