

# The Gauging Times™

Issue 4

January 2001

## Introduction

Advanced Gauging Technologies (A.G.T.) was founded in 1997 by the father and son team of Ron and Scott Cook. Their goal was to bring isotope thickness gauging into the 21st century. In less than three years since the first AGT400 system startup, they have already received orders for more than 60 gauging systems – strong evidence that customers feel A.G.T. has delivered tomorrow's gauging system today, and backs it up with world class service.

*The Gauging Times™* is a quarterly newsletter designed to keep current and future customers up-to-date with the latest thickness gauging technology and features, along with services we offer. In each issue we'll share some of our system's unique capabilities, in addition to personal profiles, technical tips and glimpses of our future product development.

## Personal Profile

Bob Cook handles Manufacturing and Assembly at Advanced Gauging. He is a certified welder, and supervises the building of all our measuring head mounting structures (C-Frames). His mechanical background is applied towards solving unique application challenges. Having been one of the top ASE Master Technicians for Pontiac in the past, Bob is always able to solve design problems when we need help. And, you'll see him in the field occasionally as he usually makes service calls each month.

If you happen to see Bob at your facility, go out to the parking lot and take a look at his 1988 Mustang GT. Beneath the hood lurks a supercharged and intercooled 306 C.I.D. engine. Under the car you'll see ladder bars and other suspension components without brand names. That's because Bob thought he could build his own components and do a better job. We'd question this, but we can't catch him with his 0-100 mph time of about nine seconds on street tires...

Bob and his wife Laura, children Sarah, Susie, and Robby have an extended family including three horses, four dogs and two cats. Sounds like a zoo, but they spread out on forty acres.



Robert J. Cook  
Manufacturing & Assembly

## Leak Tests

A.G.T. Field Service Engineers are licensed to perform semi-annual inspections and source wipes (leak tests) on nearly all makes and models of isotope thickness gauges. Many of our customers have replaced older obsolete gauges with our AGT400 Thickness Measurement & S.P.C. Reporting System. When this happens, we recycle any old parts that still have some life left in them. Consequently, a significant portion of our facility has become a virtual graveyard of dinosaur gauges. You'll save time and money if contact us first when you need parts and/or service on your isotope gauge.

## Service

## Spare Parts

AccuRay	all models*
Advanced Gauging	AGT400
D.M.C.	410TAC, 420TAC, 450TAC, 450TASC, 450TA2C, 480FAO*
Eberline	M100, M200, M200E*
E.S.C.	TG6000 series*
Gamma	GR100, GR200, GR2000
I'S	all models*
I.R.M.S.	all models*
Loral	3000, 3500
Measurex	MDX-350
N.D.S.	100, 100B, 110, 120, 200, 700, 800G*
Radiometrie	RM100, RM200, RM200E, RM206, RM206D, RM308*
Weston	5310, 5320, 5330

\* semi-annual inspections and leak tests only

**Upgrade/  
 Replacement  
 Of Obsolete  
 Gauging  
 Systems**

Many customers have old and/or obsolete gauging systems that have become difficult to maintain, or don't offer the S.P.C. reporting and data storage necessary in today's quality – driven environment. For approximately half the cost of a new system, A.G.T. can upgrade obsolete GR100, GR200 and GR2000 gauges. We typically replace all system electronics with the exception of the C-frame, measuring heads, tachometer and indicator lights. This upgrade connects your existing measuring heads to the latest in gauging technology, and brings you all features of an AGT400 Thickness Gauge & S.P.C. Reporting System. Other brands of obsolete gauges can be completely replaced by the AGT400. Following is a list of our first twenty gauge upgrades:

S.E.T. Steel, Inc.	Detroit, MI	USA	
Detroit Cold Rolling Co.	Trenton, MI	USA	
City Steel Processing	Detroit, MI	USA	
Accuride International Inc.	Santa Fe Springs, CA	USA	(4 gauges)
New Technology Steel, L.L.C.	Detroit, MI	USA	(2 gauges)
Dennen Steel Corp.	Grand Rapids, MI	USA	(2 gauges)
Metals USA	Germantown, WI	USA	
National Material Company	Elk Grove Village, IL	USA	
Hanna Steel Corporation	Pekin, IL	USA	
National Material Company	Arnold, PA	USA	
Feralloy Corporation	Decatur, AL	USA	
Feralloy Corporation	Granite City, IL	USA	(2 gauges)
Namasco Limited	Burlington, ON	Canada	
Edgcomb Metals Company	Roseville, MI	USA	

**Technical  
 Tip**

In our last issue of *The Gauging Times™*, we listed a wide variety of materials you can measure with modern AGT400 thickness gauges. Our extensive Product Menu also allows accurate overall thickness measurements of coated products. We accomplish what many competitive gauges cannot by using two separate calibration offsets in our Product menu. Gain is used to compensate for different substrate densities or gamma ray absorption coefficients. Zero is used in a slightly different way to compensate for varying coating types. Operators simply click on the preset Product to be measured (up to 25) and they get accurate thickness measurements – even with coatings!

Product Menu	Gain	Zero	Density	Manual Adjust
<input checked="" type="radio"/> 00 Cold-Rolled Steel	1.000	0.00	0.284 lb/in <sup>3</sup>	Use the mouse, or the up/down arrows, or the page up/page down keys
<input type="radio"/> 01 Aluminized Steel	1.000	1.77	0.284 lb/in <sup>3</sup>	
<input type="radio"/> 02 Electro-Galvanized	1.000	-0.43	0.284 lb/in <sup>3</sup>	
<input type="radio"/> 03 G60 Galvanized	1.000	-0.58	0.284 lb/in <sup>3</sup>	
<input type="radio"/> 04 110 Copper	0.655	0.00	0.323 lb/in <sup>3</sup>	
<input type="radio"/> 05 260 Brass	0.655	0.00	0.306 lb/in <sup>3</sup>	
<input type="radio"/> 06 260 Brass - Tinned	0.655	-0.73	0.306 lb/in <sup>3</sup>	
<input type="radio"/> 07 304 - 2B Stainless	0.991	0.00	0.284 lb/in <sup>3</sup>	
<input type="radio"/> 08 434 - 2BA Stainless	1.017	0.00	0.284 lb/in <sup>3</sup>	
<input type="radio"/> 09 Terne-Coated Steel	1.000	-1.20	0.284 lb/in <sup>3</sup>	
<input type="radio"/> 10 Painted Steel (1S)	1.000	0.80	0.284 lb/in <sup>3</sup>	
<input type="radio"/> 11 Painted Steel (2S)	1.000	1.60	0.284 lb/in <sup>3</sup>	
<input type="radio"/> 12 1100 Aluminum	13.541	0.00	0.098 lb/in <sup>3</sup>	
<input type="radio"/> 13 2024 Aluminum	10.634	0.00	0.101 lb/in <sup>3</sup>	

**For Additional Information, or to  
 Request Changes to our Mailing List:**

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