

# Rathbone Energy, Inc.

## Our Position on Rebuilding Anton Bauer Dionic 90 Batteries

Upgrade to Rathbone Energy Broadcast Lithium Ion Batteries from 65WH to 795WH,  
Comparable to New Anton Bauer Gold Mount Dionic 90 Batteries

**To address your particular Dionic 90 Dionic 160, Hytron 50 Hytron 140, and ProPac issues:**

1. **We will NO longer rebuild** the Anton Bauer Batteries product line including the Dionic 90 and 160 Lithium Ion Batteries. Instead Upgrade to Rathbone Broadcast and Film Lithium Ion Gold Mount Series Batteries which are equal to or exceed to Anton Bauer batteries at a substantial savings. Email: [sales@rathboneenergy.com](mailto:sales@rathboneenergy.com) or call: 865-484-1783
  - a. Or by use of adaptor plates or replacement mounting brackets **upgrade to V-Mount technology**. Read the V-Mount article for excellent reasons.
2. **We are a battery assembler** in business since 1989. It has been our detailed experience with these particular batteries that after all our checks are carefully finished and the new insert installed, still, a large percentage of these digital batteries, especially the Dionics, **estimated at >60%, do NOT pass the Auto-Cal or Test mode of Anton Bauer 2702 chargers with the internal Dynamic Discharge Module (DDM) because** they came in with internal circuit board damage that can only be discovered after a new insert is installed.
3. **We loose** all our time consuming labor, (\$\$\$), and we must contact the client for another shell, and we cover the labor to place the insert in a second or third shell.
4. **We are** a custom assembler.
  - a. **If we are welding** dry cell lead acid, nickel cadmium or nickel metal hydride battery cells together and we miss a hit with the welder a battery cell gets a hole blown in it, the weld tips are blown (\$\$), someone gets the poop scared out of them and their nerves are shot for the rest of that day. But, they get back on the horse the next day.
  - b. **If we miss a hit** on a lithium ion battery cell someone gets hurt. These cells need to be welded together in an automated assembly line. If something goes wrong the assembly line absorbs the damage. I do not have automated assembly lines yet, much \$\$\$.
  - c. **This is the second of two reasons** my lithium ion battery packs are assembled for me in China, (until I find an alternate country with the proper equipment), using only the best LG Chem, Panasonic, and Sanyo lithium ion battery cells and the 2.5 cent components instead of the .01 cent components.
  - d. **The first reason was** my years of attempts in the USA to get tooling done for battery cases for a reasonable fee and continued to get quotations of > \$30,000.00 per tool. So, like all the others had already done years earlier, we went off shore.
  - e. **Our [Rathbone Energy Lithium Ion batteries](#) are built differently:**
    1. **We have streamlined** the internal circuitry of our batteries and they to have built in protection circuitry to ensure the highest degree of safety operation. They are STILL Lithium Ion.
    2. **By streamlining** our batteries circuits we remove unnecessary components that might be used to force someone's battery to only work with one brand charger.
    3. **Unnecessary components** that have nothing to do with the safety of the battery only increase the chance that the battery will fail prematurely because of unnecessary components being damaged when a battery is jolted or dropped.
5. **We have been contacted** by several guys running these Battery Recelling / Battery Rebuilding / Battery Refill fly by's wanting to purchase inserts through us.
  - a. **These guys make a lot of money!** They are paying +/- .70 per cell for Chinese cells used in the inserts built for them by an assembler where we, as an assembler, would be paying +/- \$.620 per cell.

- b. **Some buy in bulk** from VAR's who have left-over stock reduced in price for fast movement. Cells that are old, many times defunct models, and have been sitting on the shelf for long periods, (even years) of time.
  - d. **Manufacturers engineering** specification sheets show a possible battery cell shelf life of up to ten years IF the cells are properly stored.
  - e. **Understand that even though** you will get performance out of a properly stored two year old cell, you will not get peak or optimum performance. And most battery packs are never properly stored.
  - f. **March 2009: I was contacted** by a station that had 35 dead Dionic 90 batteries that new, were shelved, never taken from the box, and according to the Chief Engineer, were dead. He replaced them with 28 new and fresh Rathbone Lithium Ion Batteries.
4. **We will NO longer rebuild your Dionic 90 Gold Mount batteries.**
  5. **We will use ONLY the very best cells available and usually greatly exceeding OEM standards.**
  6. **We purchase ONLY** LG Chem, Panasonic, and Sanyo cells. Available in good, better, and best options, we purchase only the higher durability of those cells and then the highest amperage of the higher durability.
  7. **The damage these fly-by guys** do to the fine art of rebuilding / recelling batteries is ugly. On a regular basis we hear feedback that goes something like: "Yea, we had some of our batteries rebuilt / recelled once, real cheap, and after that they were C \_ \_ p. We won't do that again. The life cycles only lasted a short time and the performance per cycle was reduced."
  8. **These type vendors** place a bad name on a great alternative to new packs in other industries.
  9. **Our specifications** meet and exceed OEM specifications and the warranty. In this industry you really do get what you pay for.
  10. **Lately we have noticed** some cheaper off the shelf OEM alternative batteries that are made in China with Chinese cells. We would never recommend them.
  11. **Note: When you buy new laptops** buy ALL of your additional OEM laptop batteries at the time of purchase. Stay away from aftermarket or recell of laptop batteries for all the same reasons and more not listed.
  12. **Stay away from Power Tool** battery rebuilds for the same reasons.

**I always sold a premium rebuild** and never anything less. In 2008, shortly after another fly by refill company came on stage, I started getting calls from clients who either could not understand or just thought that dangling a dollar in front of me would get a premium rebuild for less than half price. So, on the same page of each rebuild web page I set up two choices. My premium rebuild and what they get for that price and then an economy rebuild (crap) and what they get for that refill price.

Since then only two rebuild clients sent in batteries for the economy rebuild. This year I have had a few clients not wanting Li-ON, go for the "refill. Each client has already called back with defective refilled batteries that lasted an average of 3-6 months with a constant degrading performance ration. EACH CONFESSES, "Ron, just like you had already told me would happen..."

So, I am not yelling here and you can pass this along:

**DO NOT DO A BATTERY REFILL – BATTERY RECELL, EVER!**

THESE THINGS BELOW I HAVE KNOWN FROM PERSONAL INSPECTION SINCE 1989 TO PRESENT.

THESE AMATEUR AND AMATEUR FRANCHISE GUYS USE CONSUMER GRADE CHINESE CELLS MANUFACTURED IN CHINESE FACTORIES UNDER CHINESE MANAGEMENT. NO MATTER WHAT "AMERICAN" OR "SOUTH AFRICAN" NAME IS ON THE LABEL IT IS CHINESE MANUFACTURING!

FOR YOUR GOLD MOUNT DIGITAL BATTERIES THEY DO NOT PLASTIC WELD THE CASES, THEY ARE GLUED OR PACKED WITH SILICON. I HAVE PICTURES LINKED.

THEIR WORK IS TERRIBLE, LIKE ON MY AMATEUR PAGE LINK.

I have contacted several of their claimed success stories to discover they were unhappy with the quality of the refills and only used them the one or two times.

THEY DO NOT TEST THE DIGITAL BATTERIES ON ANTON BAUER 2702'S WITH DDM. THEY HAVE NO CLUE WHAT AN AB2702 WITH DDM SEMI-SMART CHARGER IS OR HOW THE COMPONENTS INSIDE THE BATTERIES WORK, NO MATTER HOW MUCH THEY STUDY MY ON-LINE WHITE SHEETS. SEE MY, [AB "Digital" Battery Problems and Resolution](#) ON GOLD MOUNTS FOR DETAIL. BY THE TIME YOUR QUALITY BATTERY DIES THERE IS A VERY HIGH CHANCE THE INTERNAL COMPONENTS ARE FATIGUED!

ON ALL BRANDS OF THE V MOUNT BROADCAST BATTERIES, POWER TOOL BATTERIES, LAP TOP BATTERIES, THEY DAMAGE THE POWER CONTACTS WHICH WILL NO LONGER PROPERLY FIT THE CHARGER OR EQUIPMENT. SEE MY [Rebuilding IDX Endura and the Numerous Generic Brands](#) LINK ON V MOUNTS FOR DETAIL. BY THE TIME YOUR QUALITY BATTERY DIES THERE IS A VERY HIGH CHANCE THE INTERNAL COMPONENTS ARE FATIGUED!

THEY SET UP MANY ALIAS NAMES AND EMAILS AND, LIKE THIRD PARTY, THEY WORK FORUMS HEAVILY ASKING FOR SOMEONE TO MAKE A REFERENCE AND THEN UNDER A DIFFERENT ALIAS NAME THEY REFERENCE THEMSELVES PROMOTING THEMSELVES HIGHLY. IF THEY GET A REAL COMPLIMENT IT IS FROM SOMEONE OF ABSOLUTE BATTERY IGNORANCE.

THEY ARE NOT A BATTERY ASSEMBLER.

THEIR PRIMARY FOCUS IS ON A MARKET I DROPPED IN 1994 BECAUSE OF THE CRAP PUT OUT BY THE FACTORIES AND AFTERMARKET COMPANIES, LAPTOP BATTERIES OR WITH THE FRANCHISE GUYS, OTHER MARKET CONSUMER GRADE BATTERIES MADE IN CHINA.

**BATTERY REFILL BATTERY RECELL BATTERY REBUILD: EVEN THOUGH THESE COME AND GO BATTERY REBUILD / BATTERY RECELL / BATTERY REFILL WANT TO BE'S USE RATHBONE BATTERY REFERENCE LIBRARY PDF WHITE SHEETS AS A GUIDELINE, THEY STILL DO NOT UNDERSTAND THE ELECTRONICS, COMPONENTS, AND BATTERY CELLS AND ARE STILL AMATEURS SPINNING FACTS TO BE MISLEADING. NO MATTER WHAT YOU ARE TOLD, QUALITY BATTERY CELLS ARE ALSO NOT AVAILABLE SO DO NOT DO A BATTERY REBUILD, BATTERY RECELL, OR BATTERY REFILL! THESE AMATEURS TRYING TO RECELL OR REFILL ANTON BAUER, ESPECIALLY ANY DIONIC SERIES, DO NOT EVEN UNDERSTAND OR USE THE 2702 WITH DDM AND CANNOT CONFIRM THAT THE BATTERY IS FUNCTIONING PROPERLY. FROM A BATTERY ASSEMBLER, WHAT THESE AMATEURS ARE DOING IS VERY DANGEROUS AND THESE ARE VERY DANGEROUS OPPORTUNISTS RISKING YOU AND YOUR EQUIPMENT!**

**DANGER, DANGER! DO NOT DO A BATTERY RECELL OR BATTERY REFILL, EVER! IF IT WERE STILL A VIABLE ALTERNATIVE I WOULD NOT HAVE LAID OFF 18 HIGHLY SKILLED ELECTRONICS EMPLOYEES WHO DID NOTHING BUT REBUILD BATTERIES.**

Sometime after the first of the year I am moving the existing Li-ON price structure to dealer pricing with a minimum \$3,000.00 per order minimum to help me quicker get to my minimums.

**We are a battery insert and pack assembler for many industries since 1989.** Volume battery assemblers such as us are considered value added assemblers.

**My company is different** because I have never required a minimum \$5,000.00 battery cell or insert order but am now leaning that way because of the economy.

**We are the only value added assembler** in the United States that actually does rebuilding of battery packs.

Thank you for thinking of me.

**Upgrade Your New or Old Anton Bauer Dionic 90, Hytron 100, 120, 140, ProPac, Hytron 50, Cine Style, other Anton Bauer, or Other Batteries and Chargers to Rathbone Energy Broadcast Lithium Ion Batteries and Chargers Today!**

Thank you for thinking of me.

Sincerely,  
Ron L. Rathbone  
Newport, TN 37821

865-484-1783 Office  
sales@rathboneenergy.com  
www.rathbonebroadcastbatteries.com (Strictly Broadcast Batteries)  
www.rathboneenergy.com (Detailed Product Information for infinite industries)  
www.rathboneenergy.biz (On-Line Broadcast Store with On-line Specials)  
There's a better way - rathboneenergy.com - when cell quality is paramount.