



REMINC and CONTI – A Long Journey of Cost-Savings

REMINC's origins actually date back to November 10th, 1904, when the Continental Screw Company began operation in New Bedford, Massachusetts. Continental Screw was a wood screw company in the beginning of the century and gradually developed into a specialty products company through the years. The true transition point occurred in 1960 when Harvey Phipard, Chief Engineer at both Continental Screw and Hy-Pro Tool Company invented TAPTITE® TRILOBULAR™ technology.

Challenged by automaker General Motors to develop a thread forming fastener for automotive assembly applications, Mr. Phipard combined his knowledge of tap technology and his inventive skills to design a fastener with a TRILOBULAR™ cross section, which formed threads into mating nut members, achieved desirable torque-tension and drive-strip relationships and resisted vibrational loosening. This creative design was named "TAPTITE®" to reflect its ability to tap an unthreaded hole efficiently and create a tight joint.



Continental Screw Company circa 1910

With this patented product and trademark as its base, Continental Screw looked to its then Sales Manager, Art Bancroft, to develop a market for this rather strange looking fastener with unique characteristics. Mr. Bancroft focused on Detroit's Big Three automakers during the 1960's and with arduous effort, persistence and time, he convinced automotive design engineers of the merits of the technology and management of its cost-savings potential. Demand for TAPTITE® fasteners grew rapidly as end-users began to realize this thread forming fastener could substantially lower the cost of assembly. (continued on page 2)

REMINC STAFF

- Art Bancroft - Former Chairman / CEO
- Laurie Mandly - Chairman / CEO
- Ralph Barton - President
- Ken Gomes - Vice President - Marketing & Engineering
- Tim Egan - Vice President - Operations
- John Reynolds - Project Manager
- Bill Teixeira - Project Engineer
- Don Fosmoen - Project Engineer
- Suzanne Lilly - Special Projects Engineer
- Beth Rondeau - Director of Financial Admin.
- Muriel Boyd - Executive Secretary



**SPOTLIGHT ON
Ralph Barton**

Ralph is the President and COO of REMINC and has been with us since 1993. Formerly President of Rico Header Tools and having 32 years in the fastener industry, Ralph provides REMINC with significant experience in proprietary fastener tooling. Today, Ralph's main duty is to insure the proper direction, advancement and management of the global licensing program offered by the CONTI and REMINC organizations.

R E G I S T E R



CEO COMMENTS **"Passing the Torch"**

There comes a time in one's career and life when you allow the younger generation to truly take over the "affairs of the state". I believe the time has come for me to pass the torch to my personally selected management team at REMINC and CONTI. I have been planning the future for some time now, preparing for this event, and I believe I have been a good teacher and leader, which allows me to leave my company in good hands. Thus, I would first like to announce that I have backed away from the day to day operations of the two companies, but I will continue to be involved in the major policy making decisions.

Replacing me as Chairman of the Board and CEO is my daughter, Laurie Mandly. Many of you already know Laurie and you are already aware of her excellent credentials for assuming these positions and driving the company forward for the next 30 years! Along with the restructured management team now in place at REMINC and CONTI, I foresee a continued growth of the TRILOBULAR™ and REMFORM® COST-SAVINGS Programs far into this new Millennium.

Assisting Laurie to drive the company forward is the upper-management team of Ralph Barton, Ken Gomes and Tim Egan at REMINC and Peter Kammüller at CONTI. Ralph remains the President of REMINC, while Ken Gomes is the VP – Marketing and Engineering and Tim Egan is the VP – Operations. Peter Kammüller, who replaced Tim Egan following Tim's return to the USA, manages the CONTI operation as the Director – Market Development.

I would also like to thank all my business associates of the last 50+ years for their dedication to the TRILOBULAR™ and REMFORM® Programs. Without your support, REMINC, CONTI and "the Program" would not be what they are today – the "In-Place Cost Savings Champions" of the assembly industry.

Finally, I would like to emphasize that as a result of this organized and planned restructuring, the day-to-day operations of both REMINC and CONTI will not change with respect to our customers and licensees. It will remain "business as usual" for REMINC and CONTI.

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(cont. from page 1)



Cleaning Operations circa 1910

in the seat belt application was in the 1964½ Ford Mustang and seat belt bolts continue to be a major application for TAPTITE® fasteners to this day – a 40 year application!

It wasn't long before European fastener manufacturers learned of and expressed interest in this new and exciting technology, so Mr. Bancroft engaged two European manufacturers as licensees to expand the application base in Europe. The program grew so rapidly that Mr. Bancroft saw the need for a support office and application engineering laboratory to supplement the capabilities of the REMINC office in New Bedford.

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(cont. from page 2)

Thus, CONTI Fasteners AG (CONTI) had its beginning in Switzerland in 1963. Soon thereafter REMINC's presence spread to Japan with the addition of multiple authorized manufacturers in the Pan Asian market. REMINC and CONTI were truly global companies long before the term "globalization" had been coined.



Packing/Shipping Department circa 1910

Along with the Continental Screw Company, the REMINC office and laboratory were moved to Illinois in 1982, but then relocated to Middletown, Rhode Island in 1986 when Mr. Bancroft purchased the REMINC and CONTI companies from its then owner, AMCA International. At this point, REMINC and CONTI became independent marketing and technical support companies that no longer competed with their global authorized manufacturers. Today REMINC and CONTI continue to manage a global licensing program with 44 years of cost-savings history and continue to pursue unlimited future opportunities.



REMINC Responds! Fielding the Questions

- Q) *I am investigating the possibility of a double-ended stud, one end having a TAPTITE[®] thread, the other a normal thread. Is there anything like this available?*
- A) Yes! There are many studs manufactured that have TAPTITE[®] II, DUO-TAPTITE[®] or TAPTITE 2000[®] threads on one end and a machine screw thread (also called metric screw in Europe) on the other end.
- Q) *If the stud has a round collar in the middle, but both ends are the same diameter and length, how can the operator quickly know which side is the thread forming end of the fastener? Could an ID be put on the end of the stud?*
- A) While an ID mark could be put on the end of the stud, symmetrical studs are made with the TRILOBULAR[™] shape on both ends. On non-symmetrical studs, the TRILOBULAR[™] end is easily identified due to the TRILOBULAR[™] shape of the fastener body area.
- Q) *Can a standard nut be threaded onto the exposed end of a TRILOBULAR[™] stud? I thought oversized TRILOBULAR[™] products would not allow a nut to be freely spun onto the threads.*
- A) A standard nut can be installed onto the TRILOBULAR[™] product, but it will not always be free spinning. TRILOBULAR[™] products are made to tap dimensions and some prevailing torque will be experienced when a nut on the dimensional low limit is threaded onto a TRILOBULAR[™] product on upper limit. Consequently, a nut on the high limit will freely spin onto a TRILOBULAR[™] product on the low limit.
- Q) *I can envision that there would be complaints from the assembly operators if some of the fasteners had prevailing torque and others did not. Is there any way to ensure that all the bolts "feel" the same to the operators?*
- A) Yes, we can make the TRILOBULAR[™] end to what we term "stud dimensions", which is a TRILOBULAR[™] fastener manufactured to dimensions similar to those of a machine screw. This design will allow nuts to spin freely onto the TRILOBULAR[™] stud end. This is a fairly common practice for symmetrically shaped studs.
- Q) *Who should I contact in the REMINC/CONTI organization to discuss studs?*
- A) Please feel free to contact any of our engineers, who are always available to provide assistance and to discuss technical questions on any topic.

REMINC Training / Brochure Request Form

Name: _____

Company: _____

Address: _____

Telephone: _____

Fax: _____

E-mail: _____

Please Check:

- Contact me regarding a training visit
- REMINC General Products Catalog
- TAPTITE 2000® Products Application Guide
- TAPTITE 2000® Product Brochure
- REMFORM® Product Brochure
- TRU-START® Product Brochure
- FASTITE® 2000™ Product Brochure
- "54 Ways TAPTITE 2000® Fasteners Lower the Cost of Assembly" Request Form

Mail this form to REMINC at 25 Enterprise Center, Middletown, RI 02842 USA or fax it to fax #: (401) 841-5008

The following are patented products and/or trademarks licensed by REMINC:
TAPTITE®, TAPTITE II®, TYPE-TT®, DUO-TAPTITE®, CORFLEX®, PLASTITE®, POWERLOK®, TRILOBULAR™,
KLEERTITE®, REMFORM®, THE CONTROLLABLE PRODUCT®, ENGINEERED FASTENINGS®, EXTRUDE-TITE®,
KLEERLOK®, TAPTITE 2000®, FASTITE® 2000™, TAPTITE 2K®, TYPE TT 2000®,
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1958 - 2004
Celebrating 46 Years Lowering
the Cost of Assembly

