

## Kool Tools: SEMA 2017

It's that time of the year again for Kool Tools of SEMA 2017 & more. Kye Yueng and I walked the floor of SEMA last November looking for unique and helpful tools that will benefit the collision industry.

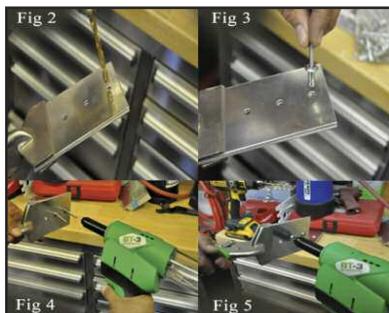
We purchased all the tools (except for the Prospot welder and Dent Fix Maxi) to give them a try. I will tell you that some of the tools that we purchased did not meet our criteria for ease of use or did not work as advertised. Let's start with the Mason Battery-powered rivet gun.

I have purchased a number of pneumatic rivet guns (criteria: Take a 1/4" rivet and pull over 4,000 lbs). Some worked great (Taurus 4 from Reliable Automotive Equipment is the Ferrari of rivet guns) and one jammed after two rivets. Some would not pull 4,000 lb structural rivets, and the ones from Mason and Dent Fix worked well (if the Taurus 4 is a 10, the Mason and DentFix are 8+). I came across a battery-operated pull rivet gun from Mason.



Fig 1

The specs on this gun are as follows: 1.181 in. (30.00mm) Stroke, 4,600 lb. (20.46kN) Pull Force, approximately 30 min Recharge Time,



20V / Li-ion / 2.0 Ah Battery Pack, Fastener Type: 3/16 Inch to 1/4 Inch Open End Blind Rivets. This rivet gun worked as advertised. It had no

problems pulling a 4,000 lb. structural rivet (I rate this battery powered unit as a 10). It is not on any manufacturers' certified programs, but it should be. Here it is in action. (Fig 2-5)

Call 800-826-2884 for a quote and tell them that you were sent by Toby and Kye for a special SEMA price. The next Kool Tool is from NES.



Fig 6

This is the complete kit from NES Tools ([www.nes.co.il/products/](http://www.nes.co.il/products/)). We listened to the sales pitch from one of the salesmen at SEMA.

He stated, "These hand tools automatically adjust to any threads diameter and pitch, can be used on left and right hand threads, both inch and metric, and need no prior measurement of the thread. Often the thread of component is damaged at the end of the thread, preventing the use of taps or dies for carrying out the repair. Nes external and Nes internal thread restorers have the capability to enter BELOW the damaged area and work outwards to complete the repair."

Kye purchased the complete kit and used it the next week in the shop. He has a rivet gun (cost over \$450) and if the jaws are not screwed down



tightly, the threads are severely damaged and not repairable. In other words, a new rivet gun would have to be ordered. Kye used the internal thread restorer and was able to fix the gun. The kit was paid for with just one repair. See Figs 7-8

NES Tools contact number is 905-812-9090.

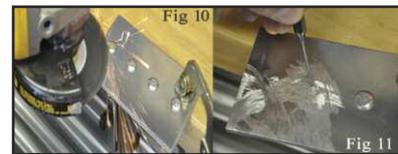
Moving on to the next tool from Alpha Professional Tools.

Alpha Tools has a flush-cutting blade. See Fig 9



Fig 9

I used this with a 4 1/2 grinder to remove structural blind rivets. It will cut the rivet head off and mandrel can be punched out. It does score the aluminum. See Fig 10



If you tilt the cutter at an angle, it will grid the head right off. Here is the web site - [www.alpha-tools.com/Pages/ProductDetails.aspx](http://www.alpha-tools.com/Pages/ProductDetails.aspx) - Page-

Code=1850. Moving on to our next item from 3M.

3M came out with a 360 degree wand kit for its cavity wax. See Fig 12



The Kit has three lengths for various applications. See Fig 13.

When you are finished, hang the wand back into the plastic container and the material in the wand will drain to the bottom. The next product we want to look at is from Q Bond.

There are a number of these "super" glues on the market and they are all very good, but Q bond is a step above them all. See Fig 14. Q Bond can be used just as an adhesive or with

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