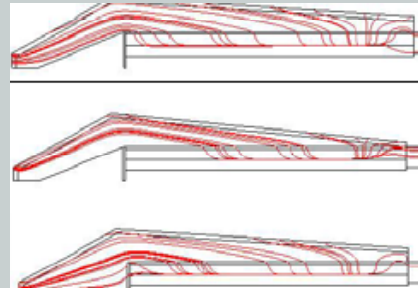
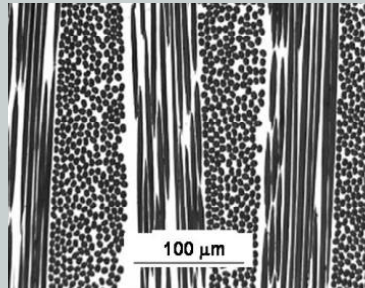
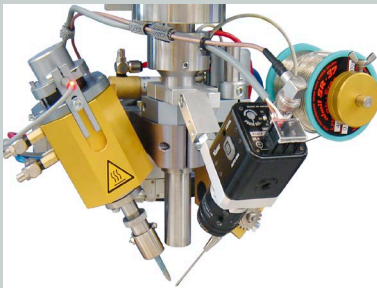


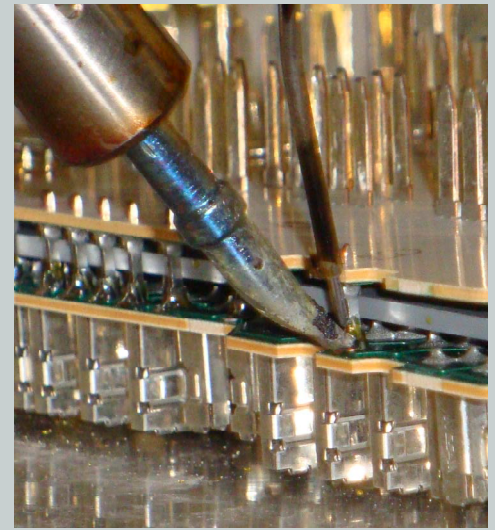
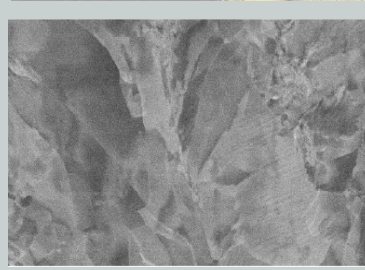
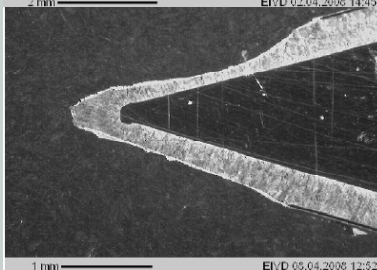
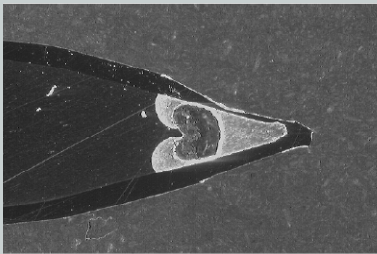
The new 150W solder tips hit the market!



93%

93%

100%



After almost 3-years in development, mta is proud to announce a new heating element and corresponding solder tips. mta soldering tips have an unprecedented life time for lead free and leaded solders as well.

Solder tip lifetime of 80'000 soldering joints is no longer an exception!... with most of the soldering tips costing less than 15Euros!

mta automation ag has extensive experience in the automated iron soldering market for more than 30 years. The solder wire feeders and the soldering heads are in-house developments and thus can proudly claim the most robust iron soldering head on the market. We sometimes encounter customers that are rather sceptical about automating their soldering iron process. We often then propose an inhouse evaluation in our lab with customer parts. This shows every customer the capability of our technology. Furthermore, 95% of customers who have purchased an iron soldering robot from mta, would at least buy a second one. Iron soldering is the most cost efficient selective soldering technology, the largest flexibility and the greatest process window which leads to the smallest PPM values and therefore to the highest quality. So why does iron soldering have a negative image towards a just few customers? The issue is that too many system manufacturers have integrated manual soldering irons into their robots which do not have the required feedback and control required for automation, specifically soldering.

However, our soldering head has been designed specifically for automated iron soldering. The soldering iron can be adjusted in

all directions and angles. When heating element changeover is required, no programming changes are necessary. Furthermore, our soldering iron is so powerful that it often is faster than the same application with a laser soldering system. The wire feeder has a feedback function which guarantees that the desired quantity of wire has been fed forward. Also, the wire feeder can also be adjusted in all relative angles to the solder tip making accessibility a non issue. The solder tips have a unique assembly and control method which guarantees that all tips are identical. Through intensive development, we have reduced the corrosion of the soldering tips and therefore guarantee a significant increase of the tip life time. The tips can also be adapted to the customer requirements, e.g. for customer specific tip shapes which require a special dimensions. And the best part for changing the tips is no more screwing or springs to reset. The tip easily snaps thanks to our patented tip holder – even with excess flux residue.

Do you still have any doubt that our soldering head is the best of the world? Please feel free to send us sample parts. Our expert team will evaluate your application in our lab.

We are looking forward to these challenges!

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