



If the annealing process removes tensions from the glass after forming, a toughening line restores the tension of the glass itself. By means of toughening process, our plant, both on belt as well as on spindle, makes it possible to increase mechanical and thermal resistance of hollow glass articles, making them safer for use and applications in our modern day lives.

Thanks to this process, the article becomes two/three times more resistant to mechanical shock than any other annealed product, fragmentation after a fall is controlled: the glass pieces will be extremely small and therefore not as dangerous. This process naturally selects the products of highest quality. Scrap tempered glass or recovered glass may in any case be recycled countless times and may be mixed at the time of composition.

- INCREASE DURATION
- INCREASE GLASS RESISTANCE
- INCREASE SAFETY
- ACHIEVE BETTER PRODUCTION QUALITY

Important advantages for every day use of glass articles, to which glass industries will have to pay attention. We believe that this process, especially if applied to glass tableware and to technical glass will have great possibilities for the future, and with the aim of providing careful development and accurate planning, we have created a suitable division dedicated exclusively to the toughening market and its applications.

**CAR-MET SPA**  
Via Cavour, 9  
31010 Cimetta (TV) Italy  
Tel. +39 0438 794784  
Fax. +39 0438 795320  
[info@carmetspa.it](mailto:info@carmetspa.it)  
[www.carmetspa.com](http://www.carmetspa.com)