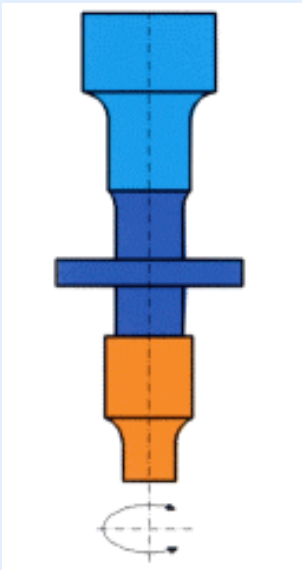


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Applied Manufacturing Technologies, Inc.

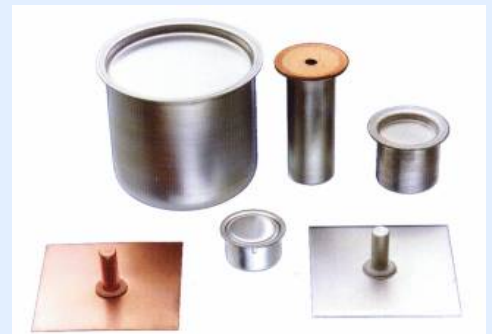
Torsional Welding

With this process developed by AMTEC round containers and cans with a lid, without additional seal elements can achieve helium tight seals.



On one hand no additional seals are necessary and on the other no loose particles are created during the welding, the shelf-life of chemical and pharmaceutical products can be greatly extended.

In addition, virtually no heat is generated during the welding process, so there are no adverse structural changes in either the material or in the contents of the cans. Furthermore, disposal is simplified, as no different types of materials (seals) are used.



Typical Torsional applications

Advantages of Torsional System

- Gas tight until 10^8 (helium tight)
- Welding times in milliseconds
- No additional seal required
- Cold welding process
- No thermal impact
- No loose particles
- High tightness (near material strength)
- Big liberty of contraction
- No visible modification
- Easy integration in the circle of production
- It is possible to weld different types of non-ferrous metals
- Easier disposal



Glass/ Aluminum/ Chrome-Nickel-Pharmaceutical (Helium tight)



Aluminum can with welded aluminum foil and screw cap



Part of igniter for belt pretensioner (Helium tight)



Aerosole valve made of aluminum (Helium tight)



Fixing element made of aluminum



Airbag generator -copper cover with copper box

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