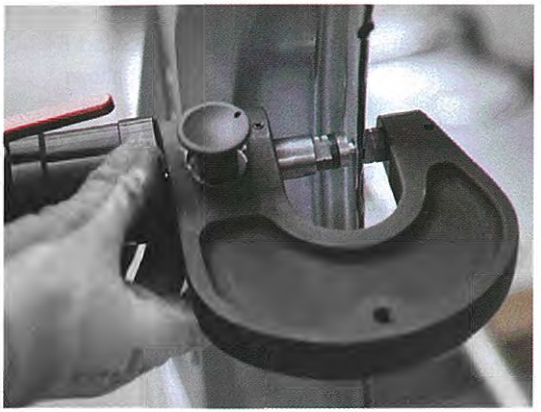
LATEST GYS RIVETING EQUIPMENT



As more vehicles are being made from a variety of materials including aluminium, rivet bonding is becoming a more common practice. Although rivet bonding is not a new technology, it has been a little-used process until recently.

Traditional fastening methods, such as riveting by itself and welding, are often inappropriate for joining dissimilar materials. In the rivet bonding process, the adhesive is the primary joining mechanism providing the stiffness and noise, vibration and harshness characteristics. The rivets become the primary mechanism during a crash event when the adhesive would normally peel.

There is one other factor that must be considered: heat, the Achilles heel to many construction materials. Rivet bonding allows for a cold joint process which negates the adverse heat effect on materials – although some materials do allow for limited heat during construction and repair. The rivet bonding process does not cause heat issues.

Rivet bonding procedures will vary in the use of adhesives. The preparation of mating surfaces is an example. Also choosing the correct rivet for the job; solid, blind, standard flow-form or self-piercing rivets which are commonly used on new vehicles particularly aluminium. Most of all, you need to have a rivet gun which can accommodate all these needs. Previously, handheld and air operated rivet guns were the norm but now, with more complex bonding and different thicker materials, pneumatic hydraulic rivet guns working at pressures up to eight tonne are now required.

The GYSPRESS 8T has an integrated pressure gauge and a selection of C-arms for difficult access areas which also swivel 360° around the axle. Along with many other features,this rivet gun comes in a complete kit.

Knowing manufacturer repair procedures and where to find training is important to shop success. When working with aluminium or other materials that have special procedures, follow those procedures diligently. I-CAR Australia have classes on advanced joining methods, an aluminium intensive programme as well as classes specific to panel bonding.

For more information, visit **www.sape.com.au** to see a video of the GYSPRESS 8T in action or contact Brett on: **0404 889 239.**