

FAKRA processing

Komax has various solutions for FAKRA processing on Komax fully automatic crimping machines



Today cars have gained a whole new status. They do more than take us from point A to point B. A variety of electronic devices makes it easy for us to navigate and call up important information as well as provide entertainment to passengers. Komax is meeting current expectations with its new solutions for processing FAKRA cabling.

Marcel Wolfisberg Project Manager

Infotainment equipment in cars is a growing market and the requirements for it have gotten tougher. Starting with a car radio and antenna (an infotainment cable), an average small vehicle in Europe today already has as many as six infotainment cables. Higher-end vehicles have over 30 such cables. Komax has responded to this increase in demand. Together with SLE Quality Engineering, Komax has created different designs and solutions for processing conductors in compliance with FAKRA standards.

A suitable solution for the customer is evaluated based on its requirements. Two key aspects are the product versions involved and the volume to be processed. A semi-automatic solution can be the right choice for smaller volumes. For larger outputs, swivel machines are used. If the processes are quite varied, we offer solutions on a Zeta 633 or the Modulo 300 transfer system.

Process steps in FAKRA processing:

- > Stripping of outer jacket
- > Crimping supporting ferrule with crimp force monitoring
- > Slipping on braided shields
- > Stripping foil and dielectric
- > Crimping of inner conductor with crimp force monitoring
- > Insert prepared cable into outer contact, crimp with crimp force monitoring and dimensional check

Processing on Komax Alpha 356



Alpha 356 with FAKRA processing

The individual processing modules for processing the beginning and end of the cable are mounted on the Alpha 356. Stripping is done either in the cutting head of the Alpha 356 or in a separate module depending on the type of processing involved. A rotating stripping process is also the suitable choice for multi-step stripping. Komax offers this capability, too.

YOUR BENEFITS

- > Concentrated knowledge of coax processes and conductor processing is available to you from Komax and SLE Quality Engineering
- > We have suitable solutions for degree of automation and efficiency depending on the volume involved
- > The solutions are based on reliable equipment from Komax and SLE Quality Engineering
- > There are a large number of machines installed in the field