

APPLICATION SHEET

CUT'N SEAL

CUTTING AND WELDING IN ONE PROCESS (PLASTIC FOAM COVERED WITH SYNTHETIC LEATHER)



■ The task

The task is to cover soft plastic foam rings for headphones with synthetic leather. If possible, the required process steps should be carried out simultaneously, not least in order to achieve the right positioning.

■ The solution

In this case the task was accomplished using the Cut'n Seal method with 20 kHz ultrasound and 6.5 kW. The process involves a two-stage cutting and welding operation which takes place simultaneously in one product position.

■ The advantages

The process results in securely welded seams which are not only very strong, but which are also comfortable and soft on the outer edge. The welded seam can be adjusted. All work processes are carried out with one setting and holding of the materials which ensures that no change in position can occur and the part produced is both technically and visually excellent.



The application was carried out on a USP3000 using additional components for the special rigging.

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