

## Application example Cutting contours and sealing the edge in a single stroke

PLASTIC WELDING	METAL WELDING	CUTTING	CLEANING	SCREENING
<image/>		Task Non-woven breathing m parts. To ensure that the be soft to the touch but Most masks are low-price cost-effectively. If possible sealed i Solution Ultrasonic technology of flat contour parts while a heating the cutting area. parts demand extreme le achieved using robust an presses with a force of u is assured by the universa Configuration advantage Cutting out the pre-cut p operation makes the proo The hardened anvil, which purpose steel and feature reground multiple times. unlimited. Even shapes w corners are possible. If ex- two-stage anvil system is cesses are performed in the The two-stage process is	asks are usually made y are comfortable to v without any fraying. e products and so hav e, the contours should fers a cost-effective m at the same time sealin Cut and seal applicat evels of force. For this id powerful USP8000 p to 12,000 N. The q al TCS5 controller. <b>ges</b> parts and sealing the e duction process extrer th is made from wear- es CNC-ground conto The range of possible vith the tiniest inside r ktensively welded zon is used, i.e. the welding the same position but also monitored by th	from flat pre-cut wear, the edges must re to be produced be cut and the edges rethod of cutting out ing the edge zone by ions for large-area reason, they are or 12000 welding uality of the process edge zone in a single nely cost-effective. resistant special- ur geometry, can be e contours is virtually adii or with sharp es are required, a g and cutting pro- one after the other. e TCS5 controller.

The application was solved on a USP8000 ultrasonic cut and seal machine with a TCS5 process controller. Hardened anvil with contour geometry for the pre-cut parts.