

Application example Membrane in an injection-moulded part

PLASTIC WELDING METAL	WELDING	CUTTING	CLEANING	SCREENING
	Tasl A m weld conn the n Solu The ener men ment men syste	c embrane that has be ded into a medical co nection must be tigh membrane must not injection-moulded pe rgy director structure nbrane into the comp red with ultrasonics t nbrane material. The em with a frequency	en punched out mech omponent made from t, no loose particles m be damaged by the jo olycarbonate part is ea s. After inserting the p ponent, the energy din o create a liquid-tight process uses a USP75 of 35 kHz and a mode	nanically is to be polycarbonate. The ust be created and pining process. quipped with fine punched-out filter rector structures are connection with the 0 ultrasonic welding ern TCS5 process con-
	Con Ultra the mag qual with amp help cont qual cal t	figuration advantages asonics are used to control of the membrane and sing the membrane. The the membrane is the membrane is the the membrane. The sout any problems. The sout any problems. The sout any problems of the	made from a wear-res ges reate a reliably tight of the injection-moulded The reliable joining pro medical technology ar he MAG generator ke a voltage range of 18 tent welding quality. T hensive features regard et the high standards	Instant titanium alloy. Instant titanium alloy. In part without da- pocess meets the high and can be automated eps the power and 0V to 260V, thus he TCS5 process ding data entry and in the field of medi-

The application was produced on a USP750 35 kHz ultrasonic welding system with MAG generator and TCS5 process controller, or with corresponding components integrated in a special system.

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