

## Application example Breathing air filter

PLASTIC WELDING	METAL WELDING	CUTTING	CLEANING	SCREENING
	Image: Second	ask he breathing air filter pro- lter pads to filter out the nust not fray at the edge ieces. Critical for filter q er material reach the air f the housing must be h olution he cut-out filter blanks a rocess (hardened steel s aying at the edges. The gned for a hermetic we <i>i</i> th high amplitude and relding. <b>onfiguration advantag</b> hanks to the ultrasonic multaneously cut out air aying. Ultrasonics can h urable and environment ves. Ultrasonic technolo hal repeatability and cor	imarily consists of two e finest particles. The es - they are supplied juality is that no loose flow. After inserting in hermetically welded to are cut out using the fi- sonotrode and anvil) the joining zone of the he eld seam seal. An exte a precise-fit anvil dev ges cut'n'seal process, the nd sealed along the en- hermetically weld the li- tally-friendly way with pogy permits high prod mprehensive process s	o housing parts and cut-out filter blanks in a magazine of 200 particles from the fil- the filter, both halves o one another. ultrasonic cut'n'seal o keep them from iousing halves is de- nded step sonotrode ice ensure reliable e filter blanks can be dge zone without housing halves in a nout the use of adhe- uction speeds, opti- safety options.
THE POWERHOUSE OF ULTRASONICS				