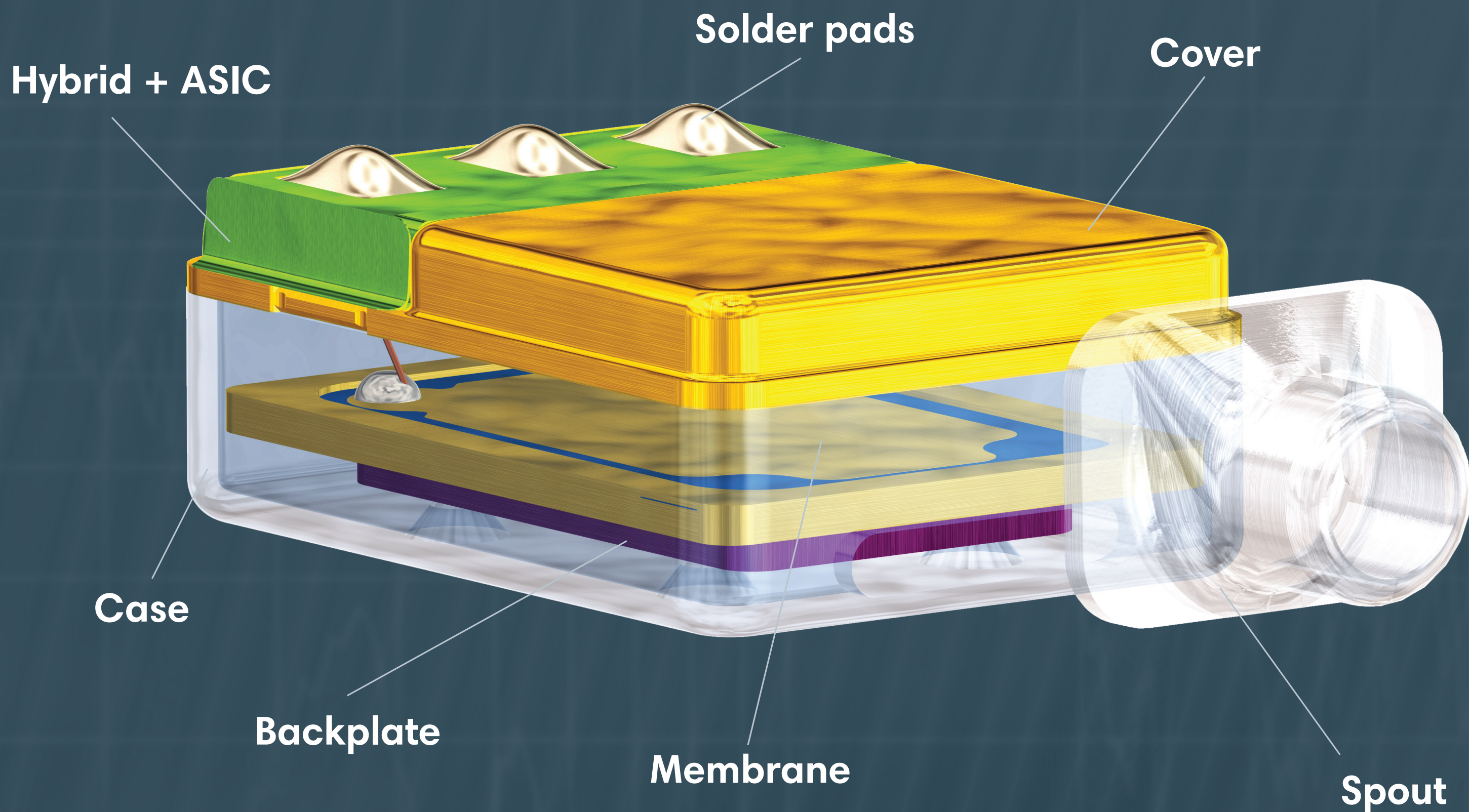
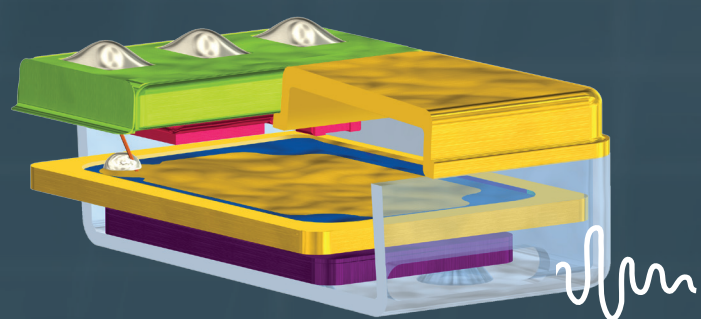


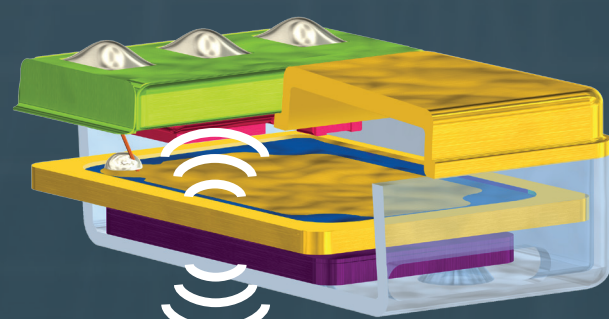
Electret Microphone



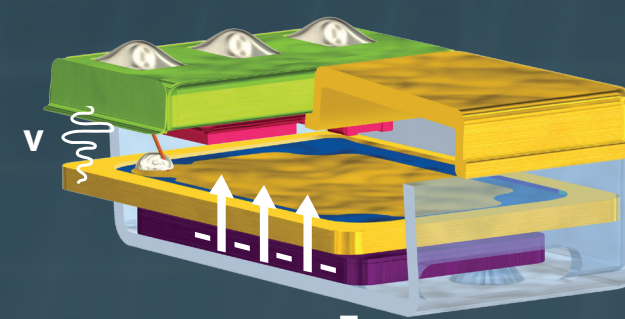
How it works



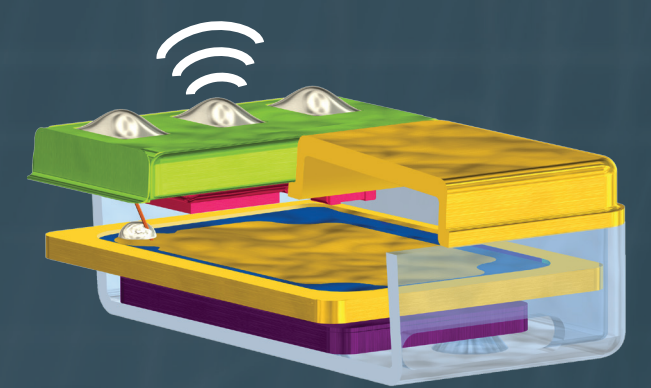
- 1 A sound wave enters the sound inlet and front volume of the microphone.



- 2 The rear volume of the microphone creates a pressure reference for the membrane. Incoming sound creates a pressure difference between front and rear volume. This pressure difference moves the membrane.



- 3 The backplate creates an electrical field over the cartridge. The strength of this depends on the amount of charge in the backplate and on the size of the air-gap. The potential of the membrane changes when it moves in a sound field.



- 4 The amplifier converts the high impedance of the cartridge to a low impedance. Due to this the voltage swing at the output terminal represents the potential change at the membrane and is consequently proportional to the incoming sound level.

Helping
at **enhance** hearing
maximum **comfort**