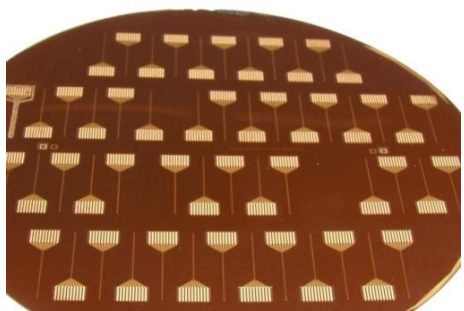


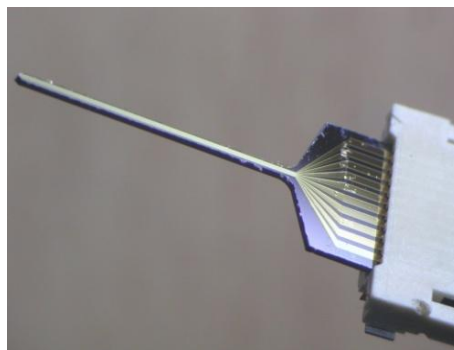
The loss of brain function through aging or disease affects many millions of people worldwide. The *ReNaChip* EC FP7 project developed a system in which a silicon processing chip was interfaced in real time with the brain to recover lost function bringing about novel approaches to clinical treatment. INEX as project coordinator and implanted electrode production partner worked with its European partners in the project to establish a route to market for hardware and software developed within the programme.



Substrate: Silicon (150mm)

Technology: Metallisation, patterning & passivation

Scope: Research & Development (Tel Aviv & Lund Universities), Production (INEX)



Integration: Interface of the component technologies into a real time acquisition & control system.



Application: Neuroscience and medical research, application in long-term rehabilitation of defective brain functions.