



CorTec

BRAIN  
INTERCHANGE

## YOUR CLOSED-LOOP SYSTEM FOR THERAPY DEVELOPMENT

### 1 RECORDING

The CorTec Brain Interchange Implant receives electric signals from the electrodes connected to the nervous system. The Implant then amplifies, digitizes and transmits these signals to a computing unit via the External Unit.

### 2 PROCESSING OF DATA

The Computing Unit collects the signals, stores and processes them and takes decisions on implant operation based on your algorithms.

### 3 STIMULATION

The Computing Unit commands the Implant to execute stimulation pulses which are delivered to the nervous system via implanted electrodes.



# FROM BENCH TO BODY

## Brain Interchange

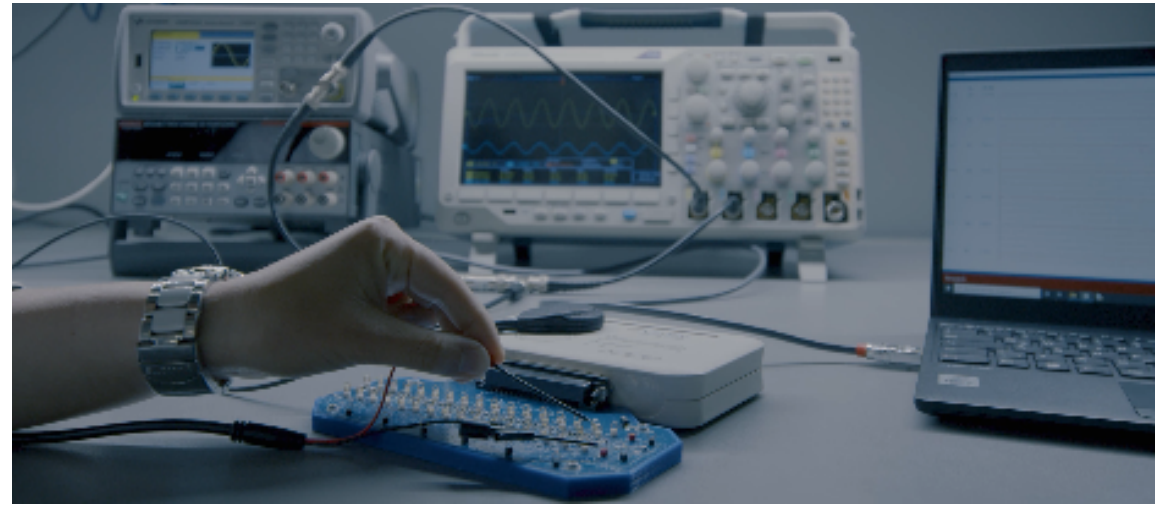
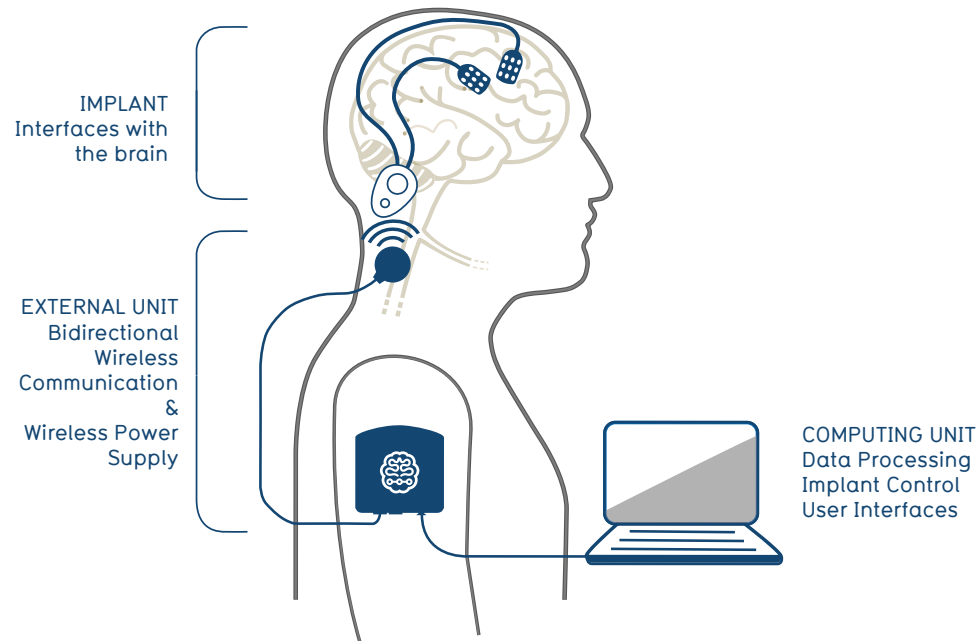
### INVESTIGATIONAL DEVICE FOR THERAPY DEVELOPMENT

We offer two versions of the Brain Interchange System to support your pre-clinical and clinical research on all levels.

## BRAIN INTERCHANGE ONE

As an investigational device, the system is designed for both recording and stimulating on 32 channels. The system allows the development of new therapies for the central nervous system.

We are happy to configure the System to your needs.

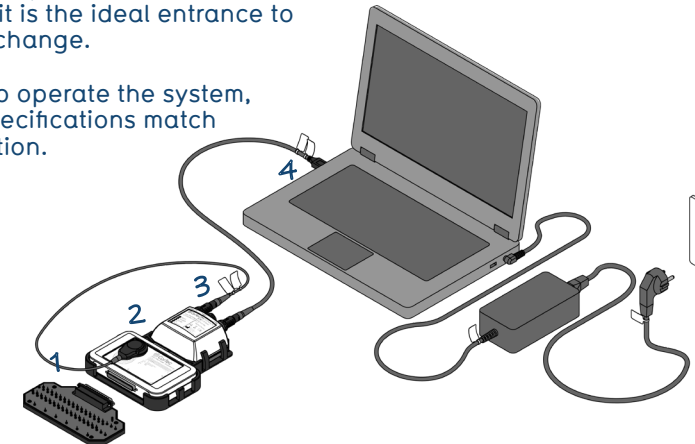


## BRAIN INTERCHANGE EVALUATION KIT

The Evaluation Kit is a bench-top version of the Brain Interchange System to start your therapy development. It is identical to the implant system. The Evaluation Kit is the ideal entrance to the clinical use of the Brain Interchange.

You can gain experience, learn to operate the system, and verify whether the system specifications match the requirements of your application.

- 1 Electrode Module
- 2 Implant Module
- 3 External Unit
- 4 Computing Unit



# ENABLING THE COMMUNICATION WITH THE BRAIN – FOR THE CURE OF DISEASE.

Together we will make new therapies reality  
– all the way from pre-clinical research to  
human application!



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