



# JOULE EFFECT EVAPORATOR

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MANUFACTURER : Conception HiVac System

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MODEL : built in-house

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## Instrument unique in Quebec :

- Offering the ability to perform evaporations on rotating samples
- Samples sizes : 10 mm to 100 mm

## Characteristics

- Pressure : 0.001 mTorr to 0.0035 mTorr
- Mini DC motor for samples rotation
- Possibility to perform an e-beam evaporation before or after a joule effect evaporation

### ROUTINE PROCESS

#### Joule effect evaporation

##### SiO<sub>2</sub> deposition

- Thickness : 300 nm to 400 nm

### ROUTINE PROCESS

#### Joule effect evaporation

##### Metal deposition

- Au and Pt
- Thickness : 30 nm to 180 nm