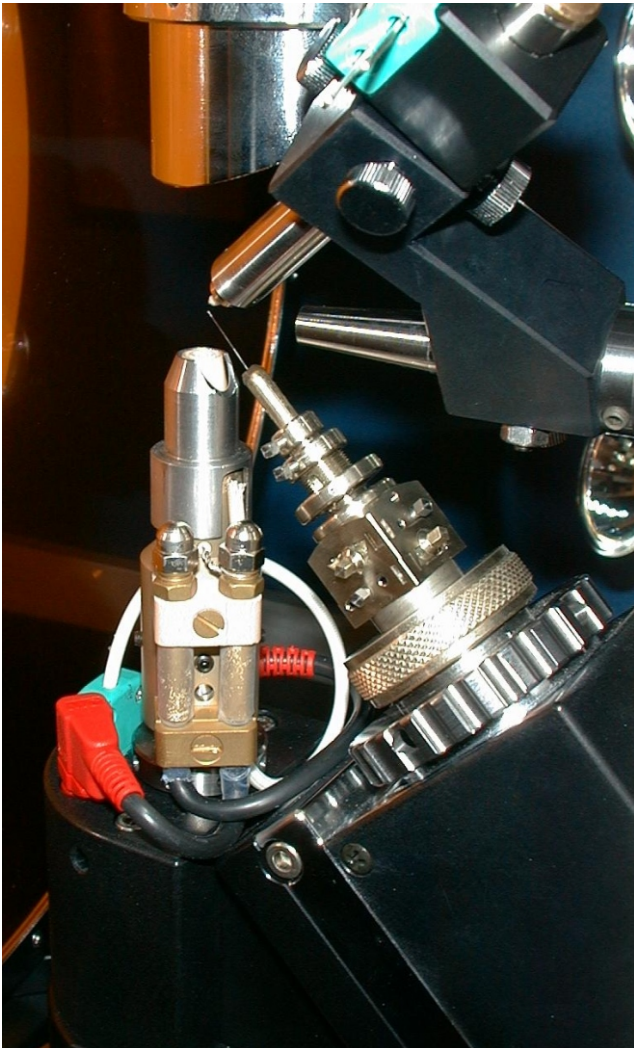


STOE IPDS II APPLICATIONS



As non-ambient methods are becoming increasingly popular, STOE provides a powerful high-temperature attachment for the IPDS II single crystal diffractometer, the **HEATSTREAM**.

The crystal, mounted on the 2-circle goniometer, is positioned in a precisely tempered N_2 -flow ($T < 2^\circ$) from below. The thermocouple is fitted in the closest surrounding of the crystal.

An exhaustor with a fan is positioned directly above the crystal and removes the hot gas from the diffractometer's interior.

Characteristics:

- Temperature range from 350 to 1100 K
- Temperature accuracy within $\pm 1^\circ$
- Heating medium N_2 (open flow)
- No limitation in 2θ , ω or χ
- Vertical gas flow for optimal sample heating

HEATSTREAM