



Loval Oy

Plan for brazing tests (WP4)

Loval vacuum brazing furnaces

Ipsen VFC-924 (HV) – $1 \cdot 10^{-5}$ mbar

Ipsen GI-48x60x48 (FV) – $1 \cdot 10^{-2}$ mbar

Ipsen VFC-924-R (HV) – $1,3 \cdot 10^{-5}$ mbar





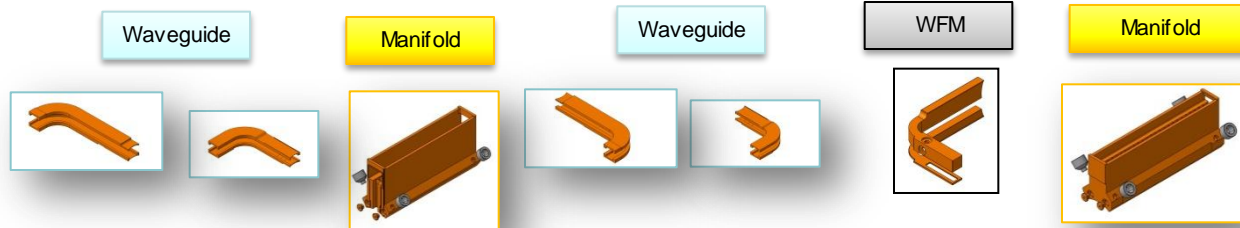
Operations considered

1. High vacuum brazing, under hydrogen partial pressure.
2. Normal vacuum brazings
3. Annealing
4. Cleaning subcontracted

Primary target

1. High vacuum brazing in hydrogen partial pressure

5. H₂ brazing
(AuCu 25/75,
1040 °C)



=> Hydrogen partial pressure to be checked from Ipsen



Secondary target

1. Normal vacuum brazings
 - According to the demand, normal procedure for Loyal Oy (e.g. cooling parts).
2. Annealing
 - Depending on machining operations
3. Cleaning subcontracted
 - In combination of brazings



Thank You for Your attention

