

LINN HIGH THERM GMBH

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QUESTIONNAIRE FOR CRYSTAL GROWTH FACILITIES

CUSTOMER : Company: _____
 Contact: _____
 Department: _____
 Street: _____
 City: _____
 Country: _____
 phone.: _____ fax: _____
 www. _____ e-mail: _____

A) Materials data

material:..... melting point:.....in °C
 chemical formula:..... growth temperature:.....in °C
 vapor pressure at growth conditions:.....

B) Background of your activities and aims of your investigations.

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 basic research development production

C) Crystal growth methods

1. Melt growth. Bridgman-Stockbarger: vertical horizontal gradient freeze
 Zone melting(floating zone): vertical horizontal
 Czochralski
 Kyropoulos
2. Solution, flux growth. method:
3. Vapor growth. open system closed system
 transport gas:
4. Solid state recrystallisation

D) Dimensions of growth set-up

crystal dia (I,w) =mm h=mm
 crucible dia (I,w) =mm h=mm
 ampoule dia (I,w) =mm h=mm
 encapsulant (e.g. B₂O₃):

