

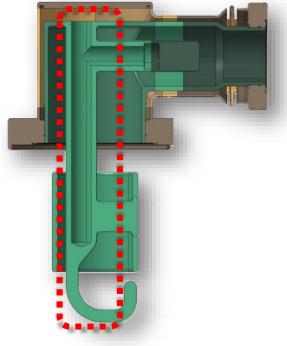
# **DQW HOM:**In-house Production Update

M. Garlaschè, S. Atieh, P. Freijedo on behalf of MME

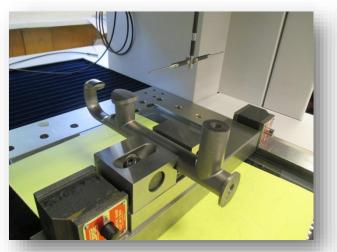




## Prod. Update: Hook



### 2x pieces currently produced





#### Piece #1 - BCP Qualification

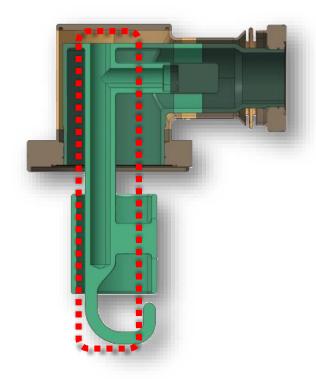
1st BCP<sub>21um</sub>: results already pretty consistent (~15um÷30um) [\*]

2<sup>nd</sup> BCP<sub>21um</sub>: chem. attack performed, @ metrology

[\*] see 'Présentation des résultats de métrologie\_D\_Pugnat'



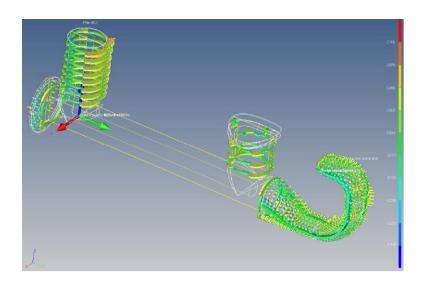
## Prod. Update: Hook



2x pieces currently produced

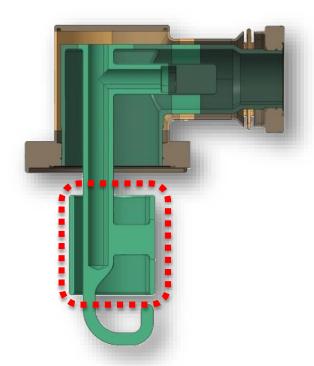
#### Piece #2 - Manufacturing Qualification

- Tooling improvement steadily ongoing
- Metrology: all green © (see EDMS 1507831)





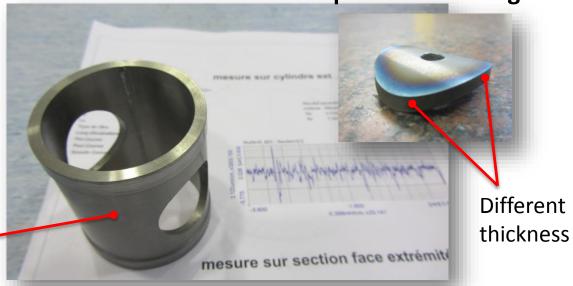
## Prod. Update: Collar





Flat welding trials: needed for setting weld parameters

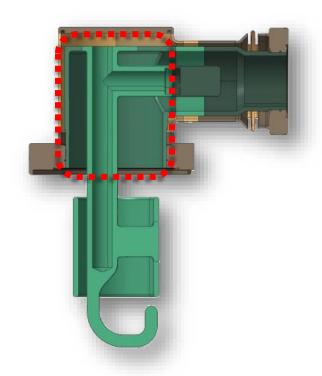
#### **Equal-Geo welding trials:**



Roughness After turning: Ra 0.6

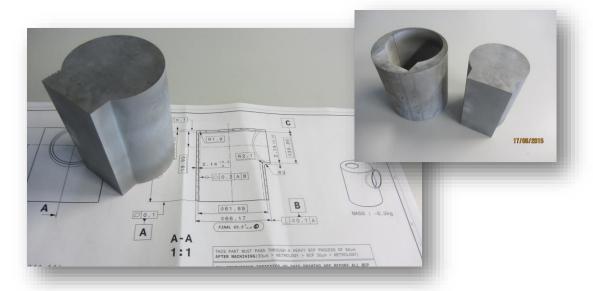


## Prod. Update: Cap



[Last material for production expected end of month/beginning of July]

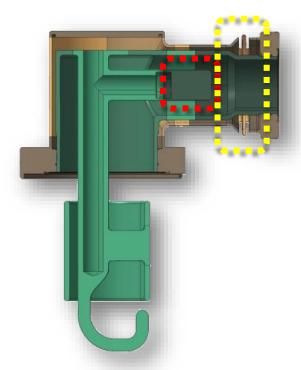
#### **Qualifying machining strategy for Cap:**



- Aluminium proto (pas de gaspillage while waiting for Nb!)
- Specific milling tool designed & ordered (expected next week)



## Prod. Update: 'Nose', Bellow & Turning qualification



Budget for Production: Estimation ongoing

#### **BELLOW**

- Subcontracted manufacturing. Complete batch (12x) expected middle September, working for early delivery
- Manufacturing of 'nose' + qualification of turning Nb on our machines
- Material obtained from scrap of Hook

