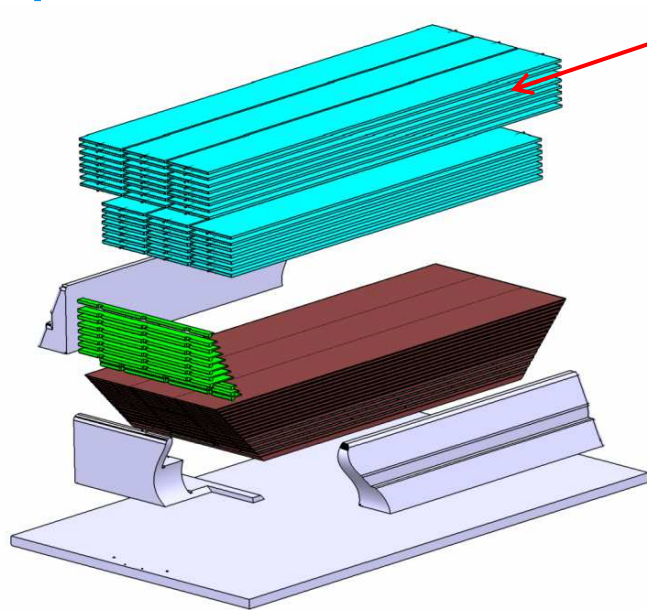


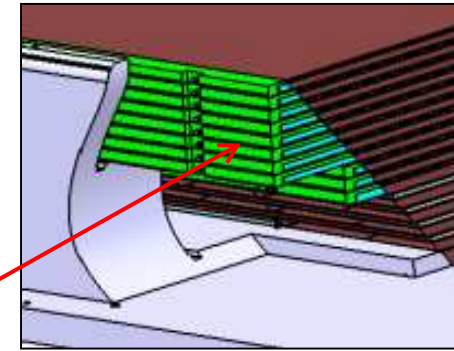
EUDET- Assembly Mould

Now, here is the EUDET assembly mould :



ALUMINUM CORES
(45 cores, 3 references)

STOP PARTS
(30 Parts 15 references)



Autoclave pressure
(1 to 7 bars)

Composite plate (15mm)

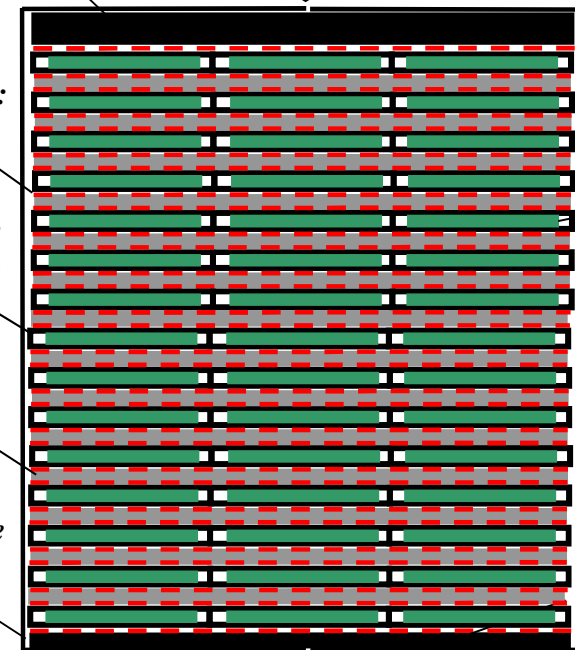
Adhesive film :
(Structil 1035)

Alveolar layer
structure (15)

W plate

Composite plate
(2mm)

Adjusted
cores

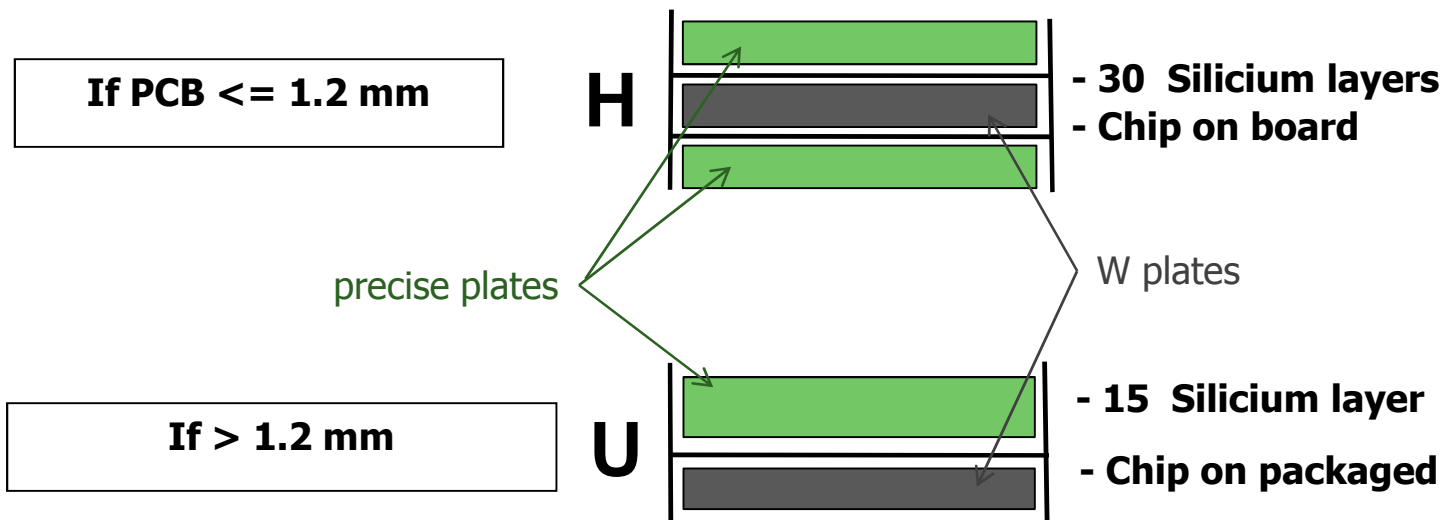


- ⇒ Global design : **OK**
- ⇒ W and Carbon Needs : **OK**
- ⇒ Detailed design description : **ON going**
- ⇒ Technical drawing : **December 09**
- ⇒ Ordered : **January 10**

EUDET H or U SLAB

Study of one mould for whole slab structures:

- All slabs are made by several short but **precise plates**, assembled in 2 layers, in order to control the thickness and the flatness



Building an other MOULD

- 2 months
- 3 k€

- ⇒ Design and Machining: **OK**
- ⇒ first H structure (1300×124): **OK**
- ⇒ EUDET short and long H SLAB: **Fev 10**
- ⇒ EUDET short and long U SLAB: **Fev 10**

Conclusion : schedule

- For Eudet module :
 - Composite reception **realized in april (2008)**
 - "Alveolar layer" mould reception **realized in april (2008)**
 - Building one EUDET alveolar layer in **July (2009)**
 - We will plan:
 - "Assembly mould" design in **December (2009)**
 - 14 alveolar layers in **first half-year (2010)**
 - Eudet structure assembled in the **first half-year (2010)**
 - "14" H or U Short structure in **second half-year (2010)**
 - "1" H or U long structure in **second half-year (2010)**