

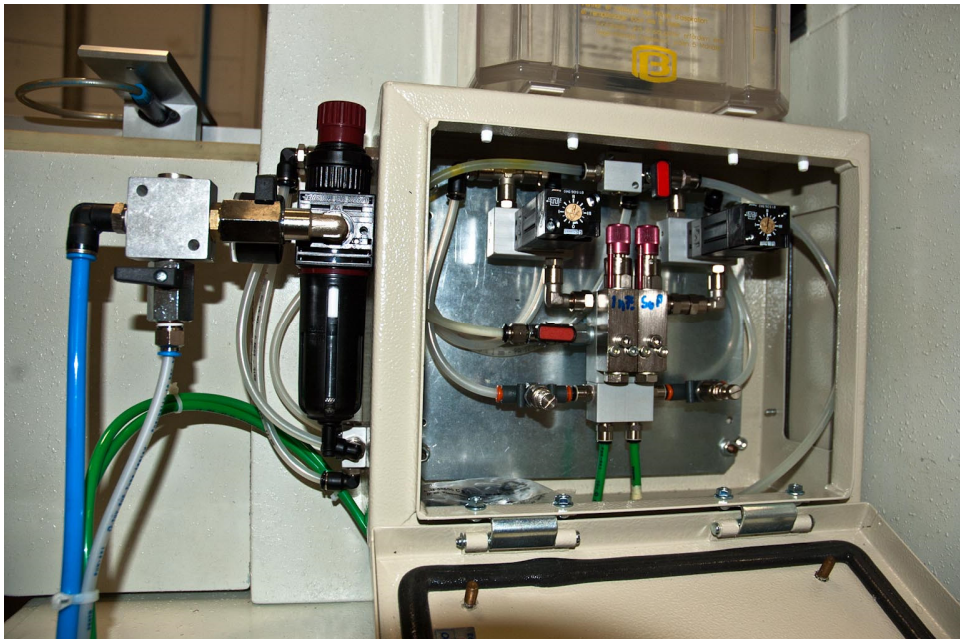
## ***Kit for Scoring Aluminium Boards***

In the last years we have seen a dramatic increasing of requests for scoring PC Boards with Aluminium substrate.

Now we are able to offer a kit of upgrading for standard scoring machines to adapt them to score Aluminium Boards.

The kit is suitable for the following scoring machines :

- ***DALLCO Q9***
- ***Telmecc SL13.11***
- ***Telmecc SL13.9***
- ***Telmecc SL13.7***
- ***Telmecc SL13.9A***
- ***Telmecc SL13.8***



This Kit allows the scoring of Aluminium Boards on a standard machine. It is composed by a cooling device that has to be installed on the standard machine. This cooling device automatically doses and sprays the special coolant on the blades during cutting. It is composed by an external tank which will contains the coolant, a dosing system, all necessary piping inside the machine to carry the mixed coolant to the blades, new designed covers for the blades with copper nozzles.

### **Blades**

To score Aluminium Boards standard carbide blades are not suitable. It is possible to use diamond blades or special carbide blades specially designed for Aluminium cutting. These blades are 50 teeth blades with a dedicated profile of the teeth.

The carbide blades are coded with : **080W.503A**

The diamond blades are coded with : **08FD.243A and 08CD.243A**

Please note that most modern Aluminium based material contains ceramic ink that makes it very hard to cut. In this case only diamond blades are suitable.

### **Working speed and conditions**

Scoring Aluminium Boards will require to set a cutting speed from 5 to 25 mt/min according to the cutting depth, AL hardness and blades type. Usually for boards up to 2.4 mm thickness , and core not less than 0.4 mm, the score can be done in one single pass as a standard board.

### **The coolant**

The coolant is very inexpensive and can be purchased from us as well as on the free market.

It has to be mixed with demineralized water in the percentage

***80% water + 20% coolant***

One tank is always included in the kit.