Multishield

Cutting by milling:

This cutting works very well on CNC specialized in milling (types SBC, AXYZ ...). Machines like Zund, Esko, Aristo ... have too low engine torque and should be avoided.

With a standard milling cutter for aluminum composites, the settings are as follows:
- Rotation: around 11000 rpm
- Advancement at 1.5 to 2 m / min
This type of cutter will have a very limited life.

Belin has just released a special milling cutter for MULTISHIELD steel composites that you will find in PJ (reinforced for better wear resistance) with the recommended settings in the orange part.

Cutting on panel saws:

Standard blades for soft materials work but have a limited life span being very quickly worn out by steel.
Tests were made with steel saw blades. The cutting and the life are good but these generate incandescent chips which become dangerous if the suction system sends them in the same tank as the dust and chips of traditional plastic materials (risk of smoldering fire).
It is then recommended to:
- Have a second dedicated chip tray for the Multishield and redirect the suction drops to this bin.
- Cut the suction.

Guillotine cutting:

Guillotine cutting (industrial sheet metal) works very well since the material is entirely suitable for steel and does not produce chips. The result at the level of the slice will depend on the shape and the thickness of the knife of the guillotine (edge more or less crushed)
It is best to try to see if the aesthetic is suitable for your customers.