ARCHCELL®泡沫的机加工

因为泡沫是刚性闭孔结构，使用 CNC 数控机床进行加工时，加工进程可以很快，且不像蜂窝那样需要特种设备，常见的 CNC 设备基本都可以胜任这个工作。

使用双面胶带将泡沫固定在 CNC 加工台面上，或者在 CNC 机床上加装具有真空吸附装置的工作台。加工过程中要使用真空吸尘装置吸走切削中产生的粉尘。

如果使用钢质刀具，螺旋状嵌有 60/72 粒度的工业金刚石刀刃，推荐转速 7200-12000 R.P.M。如果使用五点、淬火 NONVAR 工具钢刀刃，转速在 2800-3500 R.P.M 之间。

进刀速度可以适当快一些，保证泡沫加工表面光滑。太慢的进刀反而会损伤泡沫的加工表面。

Machining of ARCHCELL®

The PMI as a kind of closed cell rigidity structural foam can be machined by CNC tools on fast running, and - unlike the honeycomb need special equipment – the common CNC equipment is sufficient.

Use the double sticky tape to fix the foam on the CNC machining table or install the vacuum adsorption device on the CNC machining table. The vacuum cleaner is also required to remove dust generated during machining process.

If using the steel tools which have the industrial diamond blade with helix embedded 60/72 particle size, the speed at 7200-12000 R.P.M is recommended. If using the five-point, hardened NONVAR steel blade, the speed at 2800-3500 R.P.M is recommended.

It's adequate to speed up the feeding rate to ensure the foam's surface smoothness. Instead, the too-slow feeding speed would damage the foam's surface.

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