



## CAPABILITY LISTING

### **FB-AVAK's capability comprises of the following processes and procedures**

- ◆ Small to large volume production runs
- ◆ Product development and design
- ◆ Vacuum forming from .25 to 9mm thickness

### **Our complete in-house tooling facility can offer**

- ◆ Foundry pattern making
- ◆ 5 Axis CNC machining
- ◆ Resin casting
- ◆ CAD / CAM facilities allow prototyping from customers own IGES files which enable tooling to be machined in either PU or epoxy board
- ◆ Aluminium tooling
- ◆ Rim casting silicone tooling
- ◆ Die cutting tools

### **We use a wide range of well maintained specialist machines, including**

- ◆ 14 multi-size vacuum forming machines up to 2000 x 1200mm
- ◆ 4, five axis CNC machining centres 1500 x1000 x 6002 mm
- ◆ A three axis CNC machining centre 2000 x 900 x 4002 mm
- ◆ Die cutting 600 x 600mm
- ◆ Precision saws
- ◆ Band saws
- ◆ Milling centre 3 axis 1200 x 600 mm
- ◆ Turning lathe 1200mm

### **Our wide range of processes include**

- ◆ Vacuum forming
- ◆ Carbon fibre infusion
- ◆ Hot foil stamping
- ◆ Hot wire bending
- ◆ Guillotining
- ◆ A specialist trimming centre for awkward jobs
- ◆ Gluing
- ◆ Mechanical assembly
- ◆ CNC trimming
- ◆ Ultrasonic Welding

### **Moulding in all thermo forming materials**

- ◆ ABS
- ◆ HIPS
- ◆ EXTRUDED ACRYLIC
- ◆ PETG
- ◆ HDPE
- ◆ POLYCARBONATE

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