Claims

System for cutting perfect wheel arc on a lexan body

Main Patent Independent Claim

1) *Patent Claim 1. A cutting system comprising : A Base consist a foam mat surface and a centre locating pin with thread, a main device for holding the blade gripper plate, a knob for fastening the perfect wheel arc cutter, sandwiching the lexan body in between.*
2) *Patent Dependent Claim 2. The system of claim 1 where in the base consist of the mat acting as a cutting support mat for the lexan body to be affixed flatly on during the cutting process. The foam mat will also act as a non-slip surface during cutting, allowing a precise cut and eliminate a double line cut if a secnd or more cut is required*
3) *Patent Dependent Claim 3. The system of claim 1 where in the main device consists of 3 rollers on the outside of the part, precisely aligned to the rotation axis, allowing the device to rotate smoothly and precisely during cutting.*
4) *Patent Dependent Claim 4. The system of claim 1 where in Blade Gripper Plate will be able to adjust by sliding inwards or outwards the rotating axis, adjusting the diameter of cut that is necessary for different type of wheels.*
5) *Patent Dependent Claim 5. The system of claim 1 where in the assembled parts consisting the Support base with mat foam and locating pin, main device, blade gripper plate and fasterning knob, designed to work together, allowing a smooth and precise cutting action when use with a stand hobby knife to be affixed on the blade gripper plate. Turning to cut the wheel arc on a lexan body and depth of cut can be adjusted by fastening or loosening the knob to adjust the flex in the main device precisely towards or outwards the lexan body.*