

RazorPaw



Functionality

Locking Mechanism

The magnets and pins align with the cover to help prevent it from falling off and rotating

Knife Mechanism

A zip tie compresses to extend the blade, and an inner spring restores both when released

Handle Mechanism

A spring and rod reset the handle as the spring decompresses

Blade
Extends out to cut



Handle

This part is pressed to extend the blade and released to retract it



Cover

This encloses the blade with magnets but opens easily for replacement blades



Inspiration

Our knife is inspired by a cat's paw, where pressing down extends the claws out



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BIOMIMICRY PROJECT
INDUSTRIAL DESIGN SOPHOMORE STUDIO, SPRING 2025