

The image features hand-drawn sketches of a rotary tool's handle and bit. The sketches are rendered in a simple, sketchy style with grey lines and some hatching for shading. The handle is shown in two views: one at the top left and one at the bottom right. The bit is shown in a side view at the top center. The sketches are set against a white background with a horizontal teal band across the middle containing text.

Dremel Tool 300 Redesign

Redesign a Dremel 300 series rotary tool that is safe, easy to use, stylish and geared toward the female audience.

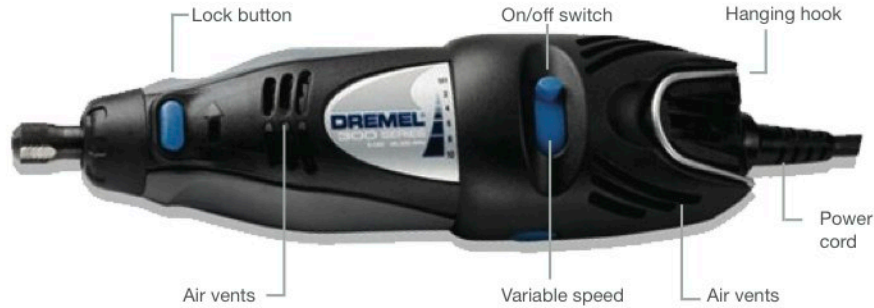


Project: Woman's Dremel 300 Tool

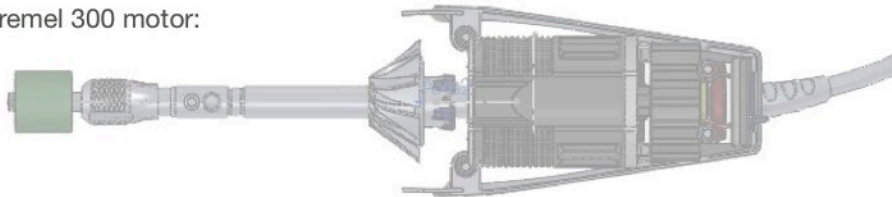
Objective: Dremel 300 Tool Redesign

Skills: Copic Markers, Modeling Clay, High Density Foam, Solid Works, Key Shot, Illustrator, Photoshop

Dremel 300 parts:



Dremel 300 motor:



Similar grip features:



Functions / Features:

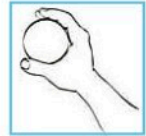
- Variable speed
- On/Off switch
- Speed control
- Cool-rolling ball bearing construction
- Quiet operation
- Replaceable motor brushes
- Warranty (5 years)
- Drilling, grinding, sharpening, cutting, cleaning, polishing, sanding, routing, carving, engraving

Target Audience

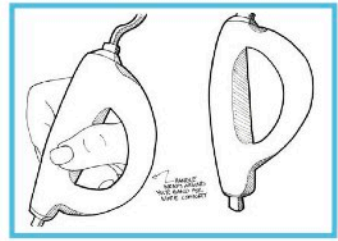
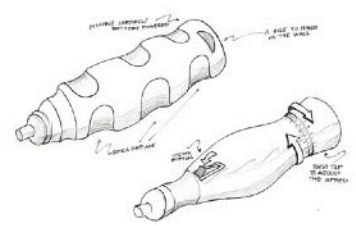
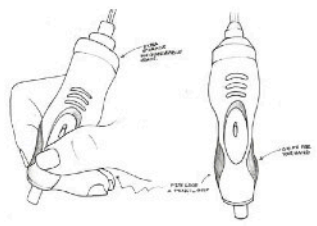
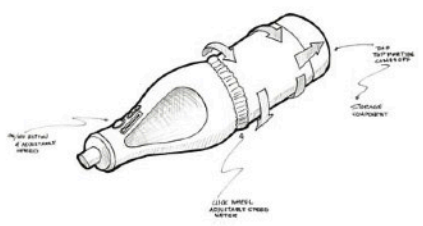
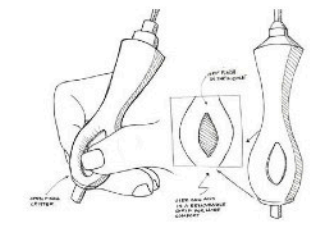
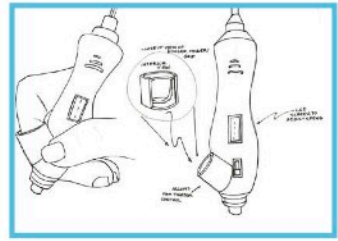
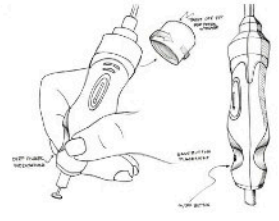
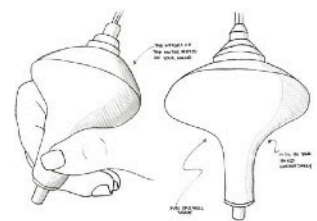
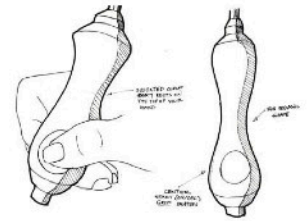
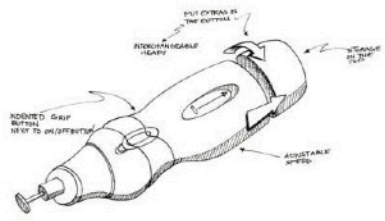
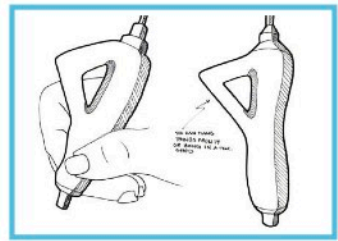
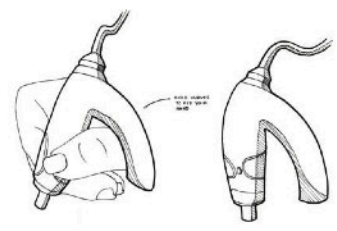
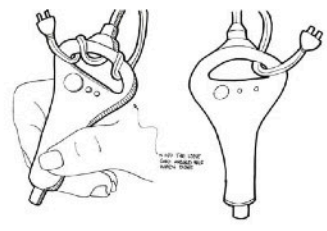
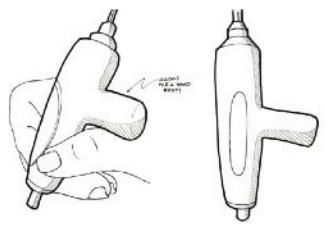
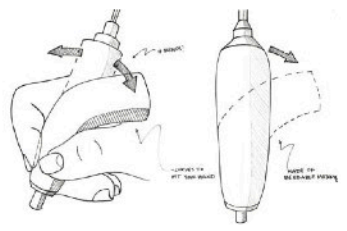


- Female user
- Appealing color pallet
- Ergonomic design for a person with smaller features

Grip styles:



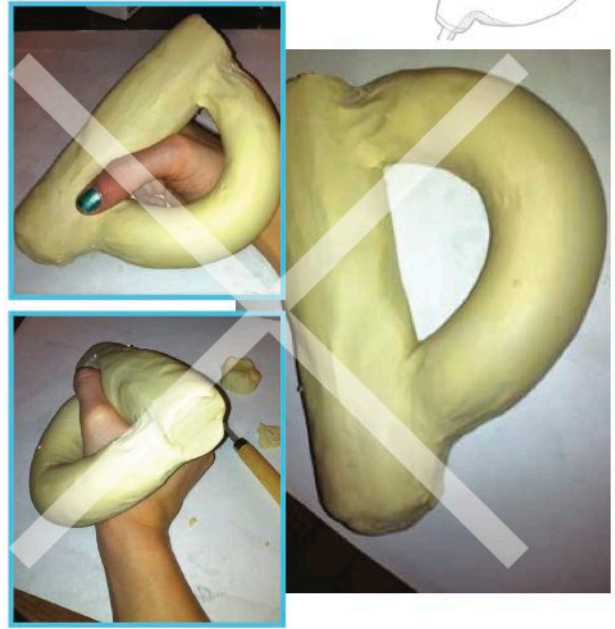
Initial Ideation Drawings



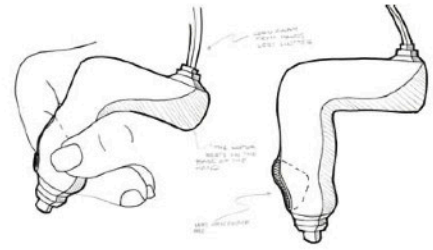
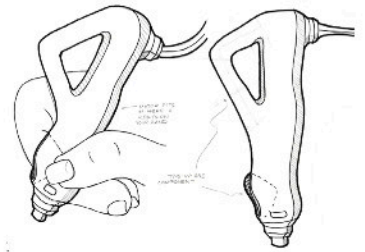
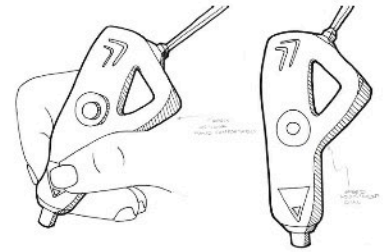
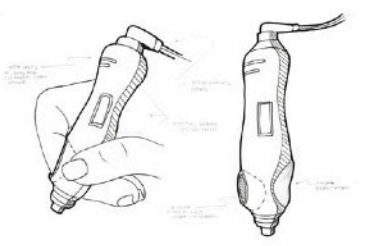
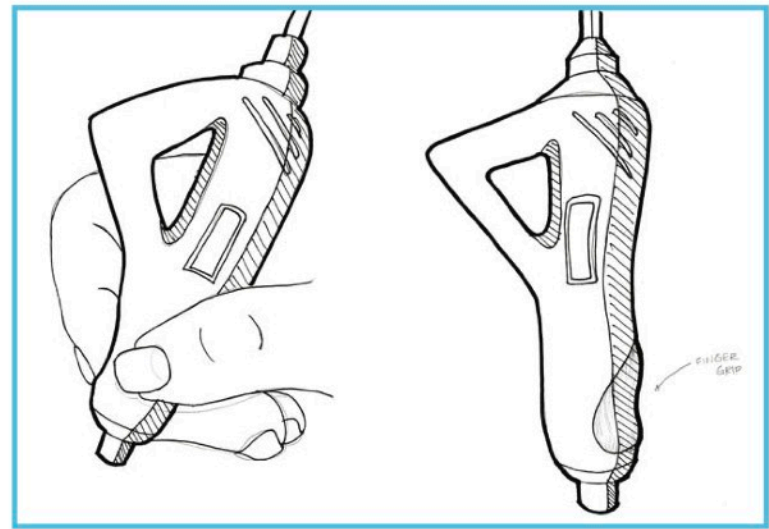
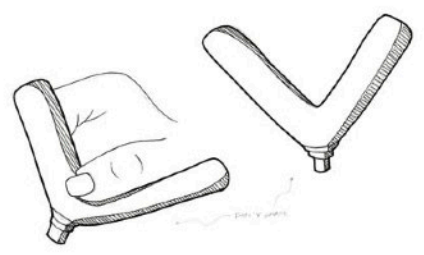
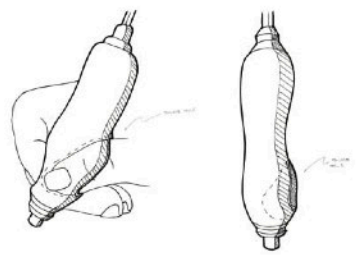
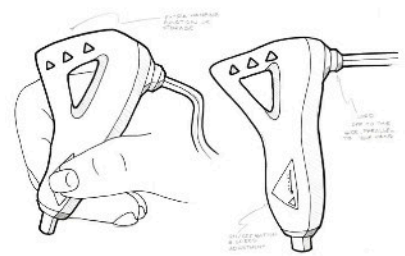
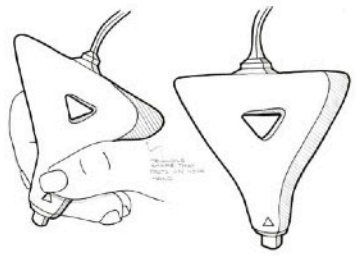
Rough Physical Models



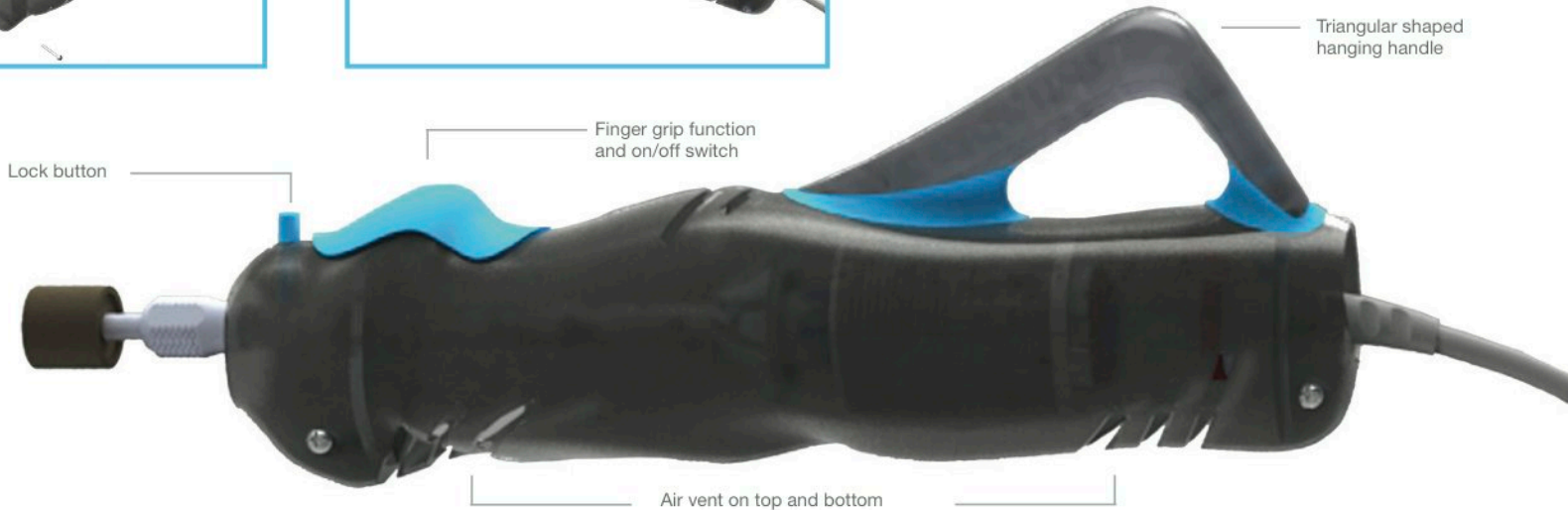
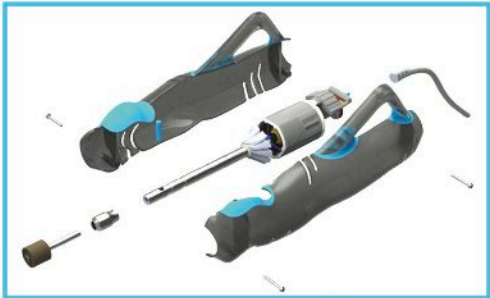
Eliminated this design approach



Final Ideation Drawings



Final 3D Rendering



Final Physical Models

