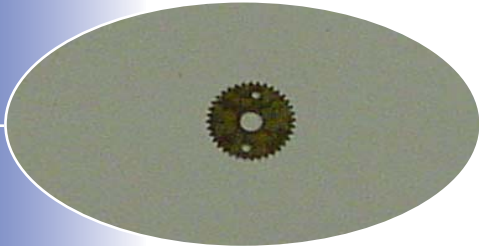
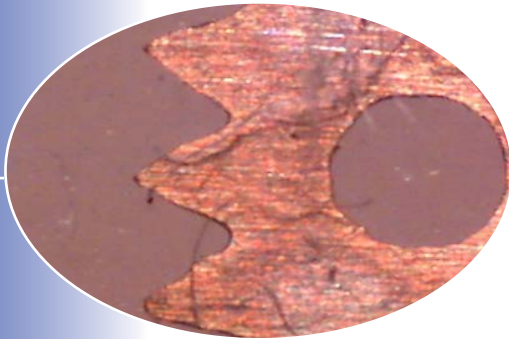


Micro Gear Fabrication Using the SF-100

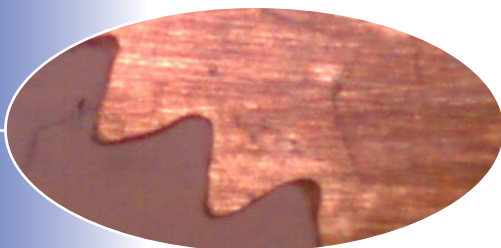
APPLICATIONS
NOTE #505



*Miniature Gear
Fabricated Using the
SF-100 (Gear Diameter
4 mm)*



*View of Side of Gear
(60X)*



*Magnified Gear Teeth
(60X)*

Overview:

A thin metal gear is fabricated out of copper thin film using the SF-100.

Process Flow:

1. Start with thin copper sheet.
2. Photoresist pattern micro gear using a standard laminate photoresist exposure process.
3. Hardbake photoresist.
4. Wet etch to form gear from copper substrate.
5. Remove photoresist using wet chemical techniques.



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