

Nanomaterials Transform Hairstyling Tools



Johnson Space Center

*Farouk Systems Inc.
Houston, Texas*

Originating Technology/NASA Contribution

- ◆ Johnson scientist Dennis Morrison conducted research into microcapsules for delivering cancer-fighting drugs deep within the body
- ◆ Morrison developed special ceramic nanoparticles as part of his research



Partnership

- ◆ Farouk worked with Morrison to create a ceramic composite for the company's hairstyling irons
- ◆ The company also incorporated nanosilver sterilizing components inspired by NASA research
- ◆ After retiring from NASA, Morrison joined the company to develop additional hairstyling tools using near-infrared light

Product Outcome

- ◆ The company uses nanomaterials in its CHI hair irons, brushes, nail lacquers, and other products
- ◆ A secondary line of liquid formulations works with the combination of ions and infrared wavelengths created by the CHI tools
- ◆ According to the company, ions released by the styling tools help to smooth and soften hair