CYTONIX
Overview

- Maryland, USA
- ISO-certified
- Hydrophobic coatings, paints and inks
- Oleophobic coatings and inks
- Microfluidic microscopy devices
Company Foci

- Oil repellent membrane/vent coatings
- Electronic device coatings
- Super hydrophobohobic films
- Rain, ice and snow repellent coatings
- Ceramic coatings
- Fluoro-Surfactants
- Microfluidic devices and inks
- Hydrophobic photo-resists
- Medical device coatings
Oil-repellent membrane coatings

- $100 million Industry
- Mesh and Filters
- Gas and sensors
- Vented packaging
- Spike and IV filter vents
- Fuel tank pressure sensors
Temperatures of 140°F in 95% relative humidity

Device withstands salt fog at 98°F for 120 hours

IPX5 or 7 waterproof (1 meter of water for 30 minutes)

FluoroPel-602UC achieves this rating without the use of mechanical seals on the device

602 bluetooth headset: [https://youtu.be/7jzrC65kDbk](https://youtu.be/7jzrC65kDbk)
Super Hydrophobic Coatings

- Contact angles to water over 150°; prevents water, ice and snow accumulation
- Radomes, microwave dishes, parabolic grid dishes, mobile radio antennas, passive reflectors, 5G antenna and other telecommunication applications
Fluoro-Surfactants

- Family of surfactants
- Leveling agents
- Hydrophobic additives
- Oleophobic additives

Applications include wood conditioners, inks, coatings to reduce freeze-thaw damage, hydrophobic melt additives for plastics, stain repellent floor and automotive coatings
Omniphobic coatings

- Family of glass and metal coatings
- Hydrophobic and oleophilic
- Extremely durable
- Contact angles to water over 100°
- Dip, spray or vapor deposition

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Photo-resists and UV-curable inks

- **FluorAcryl** is a family of hydrophobic and oleophobic coatings
- Glass, metal and plastic compatible
- UV curable and extremely durable
- Contact angles to water over 110°
Ceramic Coatings

- Liquid co-polymers with SiO$_2$
- Paint protectant (cars, boats)
- Ice repellent (turbine blades)
- Hydrophobic, oleophobic
- Abrasion-resistant, E2C, 9H-hard
- Scratch and fingerprint resistance (E2C) on plastic touch screens
- Conformal coating with anti-corrosion and tin-whiskers resistance.
Microfluidic Devices and Inks

- Cytology devices
- Inks for microfluidics
- Hydrophobic barriers