



Formula1B

Revving Up Innovation:

Mechnano's Formula1B for Customized ESD Part Production

Discover the Design Flexibility & Cost-Savings of Using Formula1B
Nano-uniform ESD AM Resin

Key Features of Formula1B

- **Superior Surface & Volume Resistance:** The use of D'Func (discrete, dispersed, & functionalized CNTs) enables precise & isotropic control of electrostatic discharge across the entire component, preventing localized ESD failures while also eliminating carbon sloughing.
- **Exceptional Chemical Resistance:** Resistance to soaking in IPA & standard conformal coating strippers enables easy cleaning & reusability of parts.
- **Absence of Forbidden/Restricted Materials:** Absence of Silicone-equivalent from ECSS-Q-ST-70-05C Standard.
- **Cleanability:** Ensures no permanent dissolving of the part surface, absence of particle emission during wiping & handling, & no MOC transfer observed after a 7-day contact test.
- **High-Quality Surface Finish:** Achieves a smooth surface finish, ensuring high-quality end parts.

The Impact of Formula1B on Innovation & Efficiency in Electronics Manufacturing Applications

CUSTOM-MADE HIGH MIX LOW VOLUME GRIPPERS



Formula1B

🕒 1.5 hours

💰 \$1.5 (resin only)

Machining

🕒 2 weeks

💰 \$500

MINIATURE ELECTRONIC COMPONENTS CARRIERS



Formula1B

🕒 2 hours

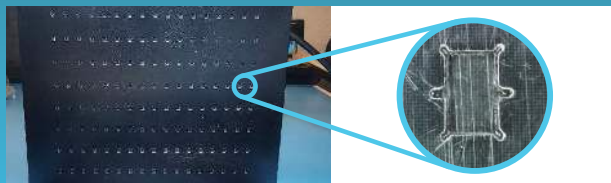
💰 \$80

Machining

🕒 8 weeks

💰 \$500+\$250 setup fee

ESD TRAYS FOR MICRO-SMD COMPONENTS



Formula1B

🕒 2 hours

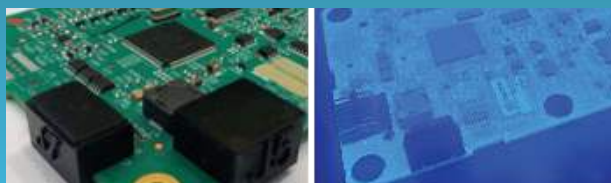
💰 \$80

Machining

🕒 8 weeks

💰 \$700

CONFORMAL COATING CAPS/BOOTS



Formula1B vs Manual Masking

🕒 88% (137 hours) reduction

Designed with the latest technology and extensive research, Formula1B offers customers superior nano-uniform ESD protection, a smooth surface finish, and exceptional feature resolution without carbon sloughing. The long-term advantages of enhanced component protection and reduced failure rates can result in considerable cost savings. Experience the success of Formula1B like our satisfied customers by reaching out to Mechnano today. Start your success story now.

