



LEGAL

MANUFACTURING, LLC

- **NIB ONE®** is a trade secret, proprietary electroless nickel boron plating system that is comprised of boron, nickel, and other metals which produce an extremely hard, wear resistant surface with a low coefficient of friction. Secoa Technology originally licensed the nickel boron technology from DuPont in 1976, and continued to improve the system until it spun off the nickel boron plating division in January of 2016. Legal Manufacturing acquired the nickel boron plating division and is manufacturing **NIB ONE®** in a new, state of the art facility.
- **NIB ONE®** is ideal for depositing a very smooth and uniform plating barrier on complex configurations. Advantages of **NIB ONE®** include the following:
 - **HARDNESS:** 70+HRc (1076+ HV) **NIB ONE®** produces a surface that is harder than competing processes.
 - **LUBRICITY:** Low static coefficient of friction without lubrication. **NIB ONE®** parts can run lubrication free, reducing the cleaning, care, and maintenance without sacrificing reliability.
 - **DURABILITY:**
 - More than twice the wear resistance of hard chrome and four times the wear resistance of electroless nickel phosphorus; **NIB ONE®** will outlast the life of the part in most cases.
 - Extremely ductile plating with improved impact resistance. **NIB ONE®** will not crack and chip like hard chrome.
 - Temperature resistant to 1100°F
 - **ADHESION:**
 - Compatible with most alloys including titanium and aluminum.
 - **NIB ONE®** is not intended for carbide or tungsten.
 - **CONTROLLED THICKNESS:**
 - Thickness range: 0.0003 to 0.010 inch.
 - **NIB ONE®** plated parts are measured and certified via XRF technology.
 -
 - **NIB ONE®** will reach optimal performance when mated components are plated.



Please contact Andy Harrell or Jeff O'Mealy with questions or a quote for any other applications.

a.harrell@legalmanufacturing.com or j.omealy@legalmanufacturing.com

Legal Manufacturing, LLC

397 Rollins Industrial Court, Ringgold GA, 30736

706-426-0856



LEGAL

MANUFACTURING, LLC

NIB DARK® and NIB BATTLEWORN®

NIB DARK® and **NIB BATTLEWORN®** are low-observable, patent pending nickel-boron plating treatments which offer superior scratch and wear characteristics while simultaneously reducing friction to aluminum, steel, and titanium surfaces. The color of **NIB DARK®** is a shade of black and **NIB BATTLEWORN®** is a dark shade of gray with an aesthetically distressed, modern “battle” finish. **NIB DARK®** and **NIB BATTLEWORN®** create a smooth and uniform plating barrier without adding significant dimension to metal parts, increase the surface hardness of the plated part, and produce a product that is superior to competing plating systems.

Legal Manufacturing’s patent pending process yields a tough, tactile, and exclusive firearm plating for suppressors, receivers, rail systems, barrels, bipods, slides, trigger assemblies, and other critical firearms components with no adverse impact on operation.

NIB DARK® and **NIB BATTLEWORN®** are perfect for any metal application where a non-reflective surface color is desired.



Please contact Andy Harrell or Jeff O’Mealy with questions or a quote for any other applications.

a.harrell@legalmanufacturing.com or j.omealy@legalmanufacturing.com

Legal Manufacturing, LLC

397 Rollins Industrial Court, Ringgold GA, 30736

706-426-0856