

High Release & Traction

American Roller, together with Plasma Coatings, offers over 20 different lines of coatings and coverings that provide a variety of properties, including varying chemical resistance, service temperatures, curing temps, surface textures, hardness, release, and friction. We are the originator of specialty coatings that combine hard matrix materials such as Tungsten Carbide (72 Rc hardness) with polymers to provide the best of all properties. Our coatings enhance the surface properties of rolls and parts, which result in improved traction. We also offer a contradiction of Properties, such as TRACTION and NON-STICK; ideal for low inertia rolls made of thin aluminum or composite. Along with the array of coatings we offer a series of high release roller coverings. These coverings come in a wide variety of surface finishes to satisfy the most stringent application requirements.

Value

Production Increase

- Our on site service minimizes down time - no disassembly, shipping or reassembly
- Improved web tracking allows you to run at higher speeds

Improved Product Quality

- Proper release and elimination of sticking or build up give you better quality products and few web breaks

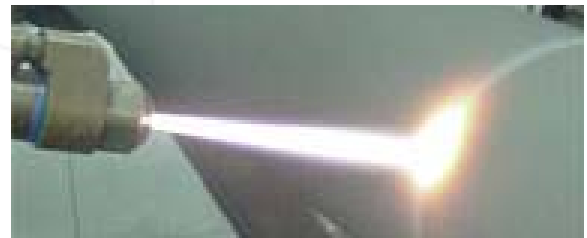
Reduced Costs

- Specialty coatings provide 7 to 10 times longer life than other commonly used surfaces – less downtime, replacement cost, and maintenance cost



Solution

- Many different coating and covering options are available to combat a wide range of production problems - sticking, build-up, delamination, embossing, slippage, and clean up
- Within each coating series, is an extensive array of surface texture options ranging from smooth to coarse finishes which are typically applied at .003"/ .005" thick per side but can be altered to accommodate your needs
- Majority of coatings have been manufactured with the ability to be applied On-Site or at our facility
- FDA Compliant coatings are available
- Able to provide a low or high COF, corrosion/wear resistance, and Electrical/Thermal Conductivity. Coatings have varying degrees of these properties. Your specific requirements will be taken into consideration when determining which suites your application or process needs.



Specifications

High Release Coatings/Coverings

PC-200	PC-12000
PC-300	PC-14000
PC-700	PC-21000
PC-900	PC-28000
PC-10000	Dragon Elite
Escort®	Beta XLT

High Traction Coatings

PC-400	PC-900
PC-600	PC-10000
PC-700	PC-12000
Dragon Elite	

