



**Parts, Service, Repair, Machine Shop**

On-Site Maintenance, Improved Efficiency,  
Expert Consultation



1288 Summit Ave., Suite 107-  
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## Products & Services

**800-369-4458**  
**mgf-services.com**

## Coatings

**Printing & Converting: Rollers**

**Textiles, Pharmaceuticals & Food: Rollers**



Steel Diverter with Ceramic with  
Fluoropolymer Coating



Water Pan Rollers with Ceramic  
coating (featuring stainless steel  
collars for edge protection)



Draw Rolls with Tungsten  
Carbide Coating



PFF Former Noses with Ceramic  
and High Release Coating

COATING TYPE	APPLICATION
<b>Carbide</b>	felt rolls, segmented slitter guide rolls, winder drum, reel drums ink transfer, ink fountain, water rolls for offset presses
<b>Ceramic</b>	heated rollers, dryer drums, calender rolls, ceramic heater technology, rollers, chill rollers, flame treating back-up roller
<b>Composite Cores</b>	Composite rollers, shafts and cores available with a variety of covering options. Wear-resistant ceramic and metal matrix coatings available with a wide range of surface properties. Option to select covers for wear-resistance, release, traction, electrical conductivity and other characteristics.
<b>Corona Treater Roll</b> <i>Thermally Conductive</i>	heated rollers, dryer drums, calender rolls, ceramic heater technology rollers, chill rollers, flame treating back-up roller
<b>Corona Treater Roll</b> <i>Thermally Insulating</i>	fan jet components, graphic arts laser engraving mandrels, heated piping
<b>Corona Treater Roll</b> <i>Electrically Conductive</i>	anti-static idler rollers, anti-static tank, bin, chute, silo coatings, web grounding rollers for charged webs
<b>Corona Treater Roll</b> <i>Electrically Insulating</i>	bin, chute, corona treater rollers, silo coatings, support rollers for electrically charged processes, webs insulated tank
<b>Corrosion Resistant</b>	Tungsten Carbide/Cobalt/Chrome coating sprayed through High Velocity Oxygen Fuel (HVOF) thermal spray gun, resulting in tough, durable coating that also affords a measure of corrosion resistance due to the presence of chromium.  Coating can be polished to near mirror finish. Used successfully on Kusters, Suction Press and Sym Rolls in paper mills. Coating's unique properties make it ideal for supercalendering, cast film extrusion and other applications.
<b>High Release</b>	former nose; idler rolls; components used in handling adhesives, hot plastics, sticky materials
<b>Fluoropolymer</b>	idler rolls, components, static turn bars, folding bars, molds
<b>Metallic</b>	Perfect replacement for white paint used by most O.E.M.'s — Even if sealer wears out, aluminum base coat provides corrosion protection
<b>Traction</b>	winder drums, reel drums, draw rolls, stationary jaws

MGF Services Is pleased to announce the launching of two new families of High Release coatings. The new RSG and RSC coatings are designed primarily for use in the converting industry where durable, non-stick surfaces are required. Typical applications include coatings for idler rolls and components used in handling adhesives, hot plastics and other sticky materials.

The release coatings are applied over a thermally or plasma sprayed layer, yielding durable coatings with a wide range of surface textures. The RSG coatings are the premium products, with a tough gray silicone topcoat over a wear resistant metallized or ceramic base. The choice of base material would be determined primarily by electrical conductivity requirements. The RSC coatings have a clear silicone topcoat with excellent release, but lower wear resistance than the gray coatings.