



NB FINISHING COMPANY



Servicing our customers since 1982



Selective Brush Electro-Plating | Grinding | Repairing | CNC Machining

Phone: (888) 507-3911

24 Hour Emergency Service

sales@nbfinish.com

Repairs for Localized Damage of Cylinders, As Well As Refurbishing Done, On Press or In Our Facility



Our highly skilled technicians have over 35 individual years of dedicated service to Brush (Selective) Electro-Plating. We repair the damaged surfaces of your critical cylindrical components while they remain in your press or at a specific field location. We can also provide services from our 200,000 square foot repair/machine shop.

NB Finishing Company offers the unique on-site selective brush electro-plating process to repair worn bearing bores in the frames of printing and punch press equipment. The process is also suitable for corrosion and wear resistance as well as electrical conductivity (Au & Ag).



[A]

This is an example of a typical damaged area. This simulates damage caused by a screw or bolt.



[B]

The initial copper filling process (shown in rough condition).



[C]

The copper filled area dressed and ready for the hard nickel capping process.



[D]

The hard nickel plated capping .003 / .005" retained thickness.



[E]

The damaged area is now permanently repaired and is dimensionally back to original OEM specifications.

Our Services

SELECTIVE BRUSH ELECTRO PLATING



NB Finishing Company can utilize 33 years of expertise to follow the process of applying a homogenous bond to selectively repair specific non-conforming or damaged areas without removing the component part from the assembly. The end result is a component part that meets or exceeds the performance and durability of the original OEM manufacturer part.

Example Includes:

Printing cylinders | Machine side frames | Metering, applicator, and coating rolls | Punch Presses | Standard and Oversized Parts | Pump Housings and Castings | Pump / Hydraulic Shafts | Mis-machined Parts | Impeller Bores

GRINDING



NB Finishing Company has the necessary equipment to process large diameter cylindrical components through our vast selection of manual and CNC operated OD, ID, and surface grinding machines for a complete finish. Our competitive pricing, attention to detail, and prompt customer service make us the ideal choice for you all of your finishing needs.

Example Includes:

Cylinders | Rollers | Chrome Pan Rollers | Water Vibrator Rolls | Copper Rollers | Textured Feed Rollers | Chill Rollers | Preheater Drums | Embossing Rolls | Mirror Polished Chrome Rollers

REPAIRING



NB Finishing Company can utilize a full service machine shop to handle full repairs, re-conditioning or replacement of all printing press components utilizing customer specifications and/or reverse engineering.

Example Includes:

Cylinders | Rollers | Chrome Pan Rollers | Water Vibrator Rolls | Copper Rollers | Textured Feed Rollers | Chill Rollers | Preheater Drums | Embossing Rolls | Mirror Polished Chrome Rollers

CNC MACHINING



NB Finishing Company can utilize sister company facilities to provide CNC machined, water jet cut, gun drill, wire EDM, welded, nitrided, honed, Blanchard ground parts with 100 CNC machines within Power Plant Services, Inc and General Manufacturing, LLC group companies.

Additional Brush Plating Applications Provided By NB Finishing

- ✦ Repair of scored and dented Hydraulic Pistons while assembled or disassembled.
- ✦ Plating the Electric Motor and generator end Bell and Rotors to bring back to size without the need for machining.
- ✦ Repair Crankshafts in place on large motors.
- ✦ On-site Dam Repairs of Ball Valves.
- ✦ Resizing of Piston ring grooves on large components like diesel engines.
- ✦ Re-plating gold on contact areas on large power generating components or computers and electrical circuit systems.
- ✦ Repair of Pump Bearing and seal surfaces. Either on-site (plant or ship) or on-ship in our plant.
- ✦ Apply Plating for Corrosion prevention, both in production and for repairs. Metal include Chrome, Cadmium, Zinc, and Nickel.
- ✦ Apply Platinum in high heat areas to prevent metal erosion.
- ✦ Repair of both aircraft and ground Turbine Rotors and housing.
- ✦ Repair the bearing bores on large punch presses.
- ✦ Resizing or reconditioning Engine Cylinder Bores.
- ✦ Repair the bearing areas of Railroad Axles.
- ✦ Silver plating on bus bars for the power generation industry.
- ✦ Refinishing and repairing of Chromed components

Our mission is to expand our status as an innovative leader in “On-Site and In-Plant” selective brush plating repairs as well as general metal component repairs for all industry.



Today, NB Finishing Company continues to provide the highest level of industry quality selective brush electro-plating repairs both in-plant and on-site for a variety of industries. The selective brush electro-plating types include nickel, chrome, copper, cadmium, zinc, silver, gold etc. We provide large capacity OD and ID grinding for all industries including commercial printing, laminating, coating, hydraulic, and power generation. We have expanded our capabilities through the group companies that form Power Plant Services, LLC and General Manufacturing, LLC with over 200,000 sq. ft. machine availability.

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