



9,000 pound mold selectively brush plated on site for corrosion resistance.

BRUSH PLATING is a method of Electroplating localized areas without using Immersion Tanks.

USER BENEFITS

SPOT REPAIR (see reverse side)
MULTIPLE DEPOSITS
LOCALIZED SALVAGE

SELECT AREAS
PORTABILITY-(ON YOUR SITE)

SUMMARY

The Techmetals Brush Plating process pinpoints plating without extensive masking or elaborate fixtures, making it ideal when only a localized area requires plating.

Techmetals Brush Plating deposits a hard, fine-grained coating which is very low in porosity & exhibits low stress & low hydrogen embrittlement. The structure of the deposit is such to provide excellent adhesion & corrosion resistance similar to in tank plating applications.

The thickness of the deposit is maintained through our strict quality control techniques & can be varied to meet your specifications or requirements. For a specialized application, contact our service department for assistance.



Worn armature plated to size on site.



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Applications

Selective plating can be used to deposit a variety of metals or alloys on many base metals. The process can accomplish many unique plating applications where conventional tank plating is too costly, cumbersome, time consuming or simply unavailable.

BENEFITS

The essential benefit of the Brush Plating Process is accomplishing prompt, effective on-site plating at minimal total cost. Additional benefits of the Process are:

- Pinpoint plating without extensive masking and special fixtures
- Excellent adhesion that is as good or better than tank plating adhesion
- Easily portable equipment that brings the Process right to the job location
- Easily learned brush plating skills that provide immediate in-house plating capability
- Plating done to size with little or no need for final machining

Typical Selective Brush Plating Applications:

SALVAGE

- Repair worn molds
- Restore worn or mis-machined parts, journals or gears
- Repair worn sleeve bearings
- Repair worn crankshafts
- Repair oversized OD's and ID's

IMPROVED ELECTRICAL PERFORMANCE

- Reduce buss bar contact resistance
- Plate circuit board contacts
- Improve solderability
- Re-surface commutators

CORROSION PROTECTION

- Mold Gassing
- Plate interiors of pressure valves
- Protect large bearing surfaces from fretting
- Seal porous cast surfaces
- Repair damaged plating (Zinc, Cadmium, Nickel, Electroless Nickel, Chrome)

MISCELLANEOUS APPLICATIONS

- Copper "Stop Off" to restrict areas being carburized or nitrided
- Repair lithograph rolls
- Repair hydraulic or pneumatic pistons and rams
- Re-surface end-bells, pedestals and bearing seats
- Repair parting lines on injection mold dies
- Repair steam cuts
- Repair gasket surfaces
- Mold Seal Off