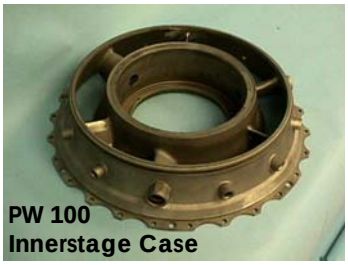
Aerospace Applications

ENGINE COMPONENT REPAIR


JT8D Bearing Shield & Tube Assembly


PW 100 Innerstage Case

Selective Plating Is Approved For Use By

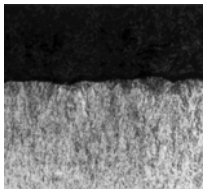
Allied Signal	FP5107 Electroplating IAW Mil-Std 865C
GE	70-45-03 Standard Practice Manual
P&W	SPOP 321 Brush Nickel Plating PWA 36960 Brush Nickel Plating PWA 36953 Brush Nickel Plating for Brazing POP 2195 Brush Plating per PWA 36953
Rolls Royce	TSD 594-337 RPS 652 Plating of Metals by Selective Brush Plating MPI/PROD/495/89 RB199LP Turbine Disc Repair

Selective Plating is an approved process that can significantly **reduce your turnaround time** when you need nickel plating on localized areas for dimensional restoration or for a prebraze coating.
Whether you have an occasional need or your operation involves large volume of parts, SIFCO provides flexible alternatives for your finishing needs.

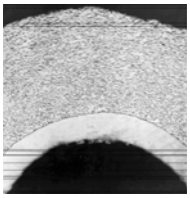
- Complete customized automated equipment packages
- Turnkey surface enhancement services
- On-site outsourcing program
- Technical support

Nickel Sulfamate Meets The Performance Requirements Of: AMS 2451, AMS 2403 and AMS 2424

Deposit Characteristics	
Structure	Fibrous, columnar, dense
Hardness	250 HV (22 Rc)
Taber ware	52 mg/1000 cycles
Adhesion (Tensile bond)	>10,080 psi
Shear load	48,700 psi
Compressive yield	118,500 psi
Ductility	Excellent
Stress	15,000 to 20,000 tensile
Heat resistance	700 °F 23 hrs.


Nickel Sulfamate


Tensile Bond


Comprehensive Bend

SIFCO APPLIED SURFACE CONCEPTS

Advancing Selective Plating . . .
. . . and Moving Beyond

ISO 9001 AS 9100

Nadcap Chemical Processing

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