

## PRODUCT OVERVIEW

**PMET 887** is a NiCrAlY cored wire specifically designed for arc spray systems. It produces dense, well bonded coatings with excellent high temperature oxidation and corrosion resistance to 1800° F (980° C). It can be used to prevent oxidation of low alloy steels and as an undercoat for ceramics. The coating is machineable.

### TYPICAL DEPOSIT CHARACTERISTICS:

⇒ Typical Hardness:	HRB 60-85
⇒ Bond Strength:	9000 psi
⇒ Deposit Rate:	8 lbs/hr/100A
⇒ Deposit Efficiency	65%
⇒ Wire Coverage:	0.8 oz/ft <sup>2</sup> / mil
⇒ Surface Texture	* Variable
⇒ Machineability	Good

\* Depends on air pressure used

### SURFACE PREPARATION

Surface should be clean, white metal, with no oxides (rust), dirt, grease, or oil on the surface to be coated. **Note:** It is best not to handle surfaces after cleaning.

Recommended method of preparation is to grit blast with 24 mesh aluminum oxide, rough grind, or rough machine in a lathe.

### APPLICATION

- ⇒ Ceramic Under Coat
- ⇒ Oxidation Resistance
- ⇒ High Temperature

### SPECIFICATION

NiCrAlY—PMET 887 meets the chemistry requirements for GE B50TF296

### NOMINAL CHEMICAL COMPOSITION (wt%)

<b>Ni</b>	<b>Cr</b>	<b>Al</b>	<b>Y</b>
Bal	22.0	10.0	1.0

### RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50-60 psi	*29-32	*100-200	*3-5 in (8-12 cm)

\* Parameters are Typical and may vary depending on equipment used. Contact your equipment manufacturer for optimum spray parameters

### STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	30# LWS	887062LWS01