

## PRODUCT OVERVIEW

**PMET730** is a 316 stainless steel wire specifically designed for arc spraying. It produces a dense, well-bonded coating with excellent machinability and wear and corrosion resistance. PMET730 is widely used for machine element repair, dimensional restoration and wear resistance applications. It has high shrink characteristics and should not be used for coatings over 0.075 inches thick.

### TYPICAL DEPOSIT CHARACTERISTICS:

⇒ Typical Hardness:	HRB 90-95
⇒ Bond Strength:	6750 psi
⇒ Deposit Rate:	10 lbs/hr/100A
⇒ Deposit Efficiency	75%
⇒ Wire Coverage:	0.8 oz/ft <sup>2</sup> / mil
⇒ Surface Texture	* Variable
⇒ Machinability	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

- ⇒ Parts Restoration
- ⇒ Rams
- ⇒ Food Industry Rolls

## NOMINAL CHEMICAL COMPOSITION (wt%)

Cr	Ni	Mn	Si	Fe	Mo
17.0	12.0	2.0	1.0	Bal	2.5

## RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50-60 psi	*28-30	*100-200	4-6 in (10-15 cm)

## STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	25 lb. spools	730062LWS00