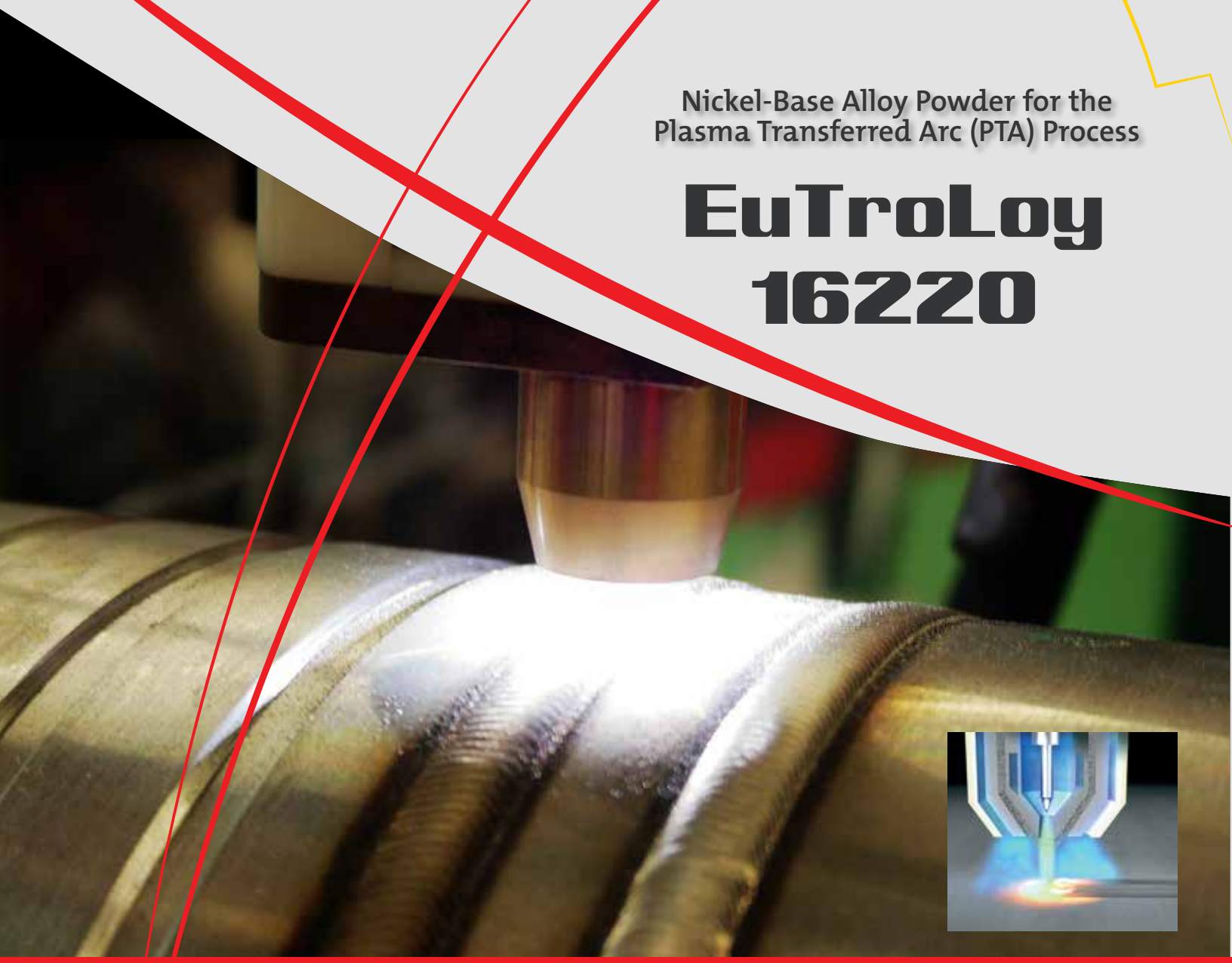
Castolin Eutectic®
Eutectic Castolin

Nickel-Base Alloy Powder for the
Plasma Transferred Arc (PTA) Process

EuTroLoy 16220



- Specially developed for the glass mold industry
- Spherically shaped to ensure highest purity
- Resistant to most high pH, wet environments
- May be applied with a manual torch

EuTroLoy 16220

EuTroLoy 16220 is a nickel-base alloy powder developed specifically for coating cast iron parts via the Plasma Transferred Arc (PTA) process. Although developed for use on cast iron glass mold parts, EuTroLoy 16220 is also well suited for use in applications where a high nickel content coating is appropriate.

Coatings of 16220 are moderate in harndess and may be machined using conventional production tooling.

The chemistry and particle size of EuTroLoy 16220 is carefully controlled to insure consistent high quality coating properties.

The powder can be applied via manual torch but is best suited for automation application.

TECHNICAL DATA

Typical Values	
Nominal Hardness:	27 HRC
Max. Service Temperature:	1000°F (538°C)
Density:	8.34 g/cc (0.30 lb/in^3)
Machinability:	Excellent using conventional tooling
Corrosion Resistance:	Wet, caustic service environments
Melting Point:	2050°F (1120°C)

Equipment
Made for use in Eutectic's GAP plasma transferred arc equipment. It is also capable of being used with some manual torch applications. Please contact Eutectic to determine which GAP and/or torch equipment is right for your coating needs

PROCEDURE FOR USE:

For some applications, a modest pre-heat may be required. The degree is dependent on the shape and dimensions of the part and the thickness of the deposit. Surfaces should be clean, white metal, with no oxides (rust), dirt, grease or oil in the coating area.

TYPICAL APPLICATIONS

- Glass Mold Parts
- Bottoms
- Guides
- Baffles
- Rings
- Buttering Pass
- Valve Seats (Non-Potable Water Service)

To ensure a safe work environment observe normal welding practices, provide appropriate eye, hearing, skin and respiratory protection and pay attention to air flow patterns. For general weld practices, refer to ANSI Z49.1:2012 - "Safety in Welding, Cutting, and Allied Processes". Welding is a completely safe process when performed in accordance with proper safety measures. Become familiar with local safety regulations before starting operations. DO NOT operate your equipment or use the material supplied, before you have thoroughly read the equipment instruction manual. Contact Eutectic for Material Safety Data Sheet (MSDS) information. DISREGARDING THESE INSTRUCTIONS MAY BE HAZARDOUS TO YOUR HEALTH.

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