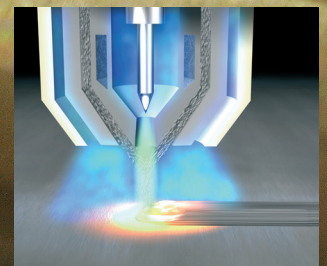
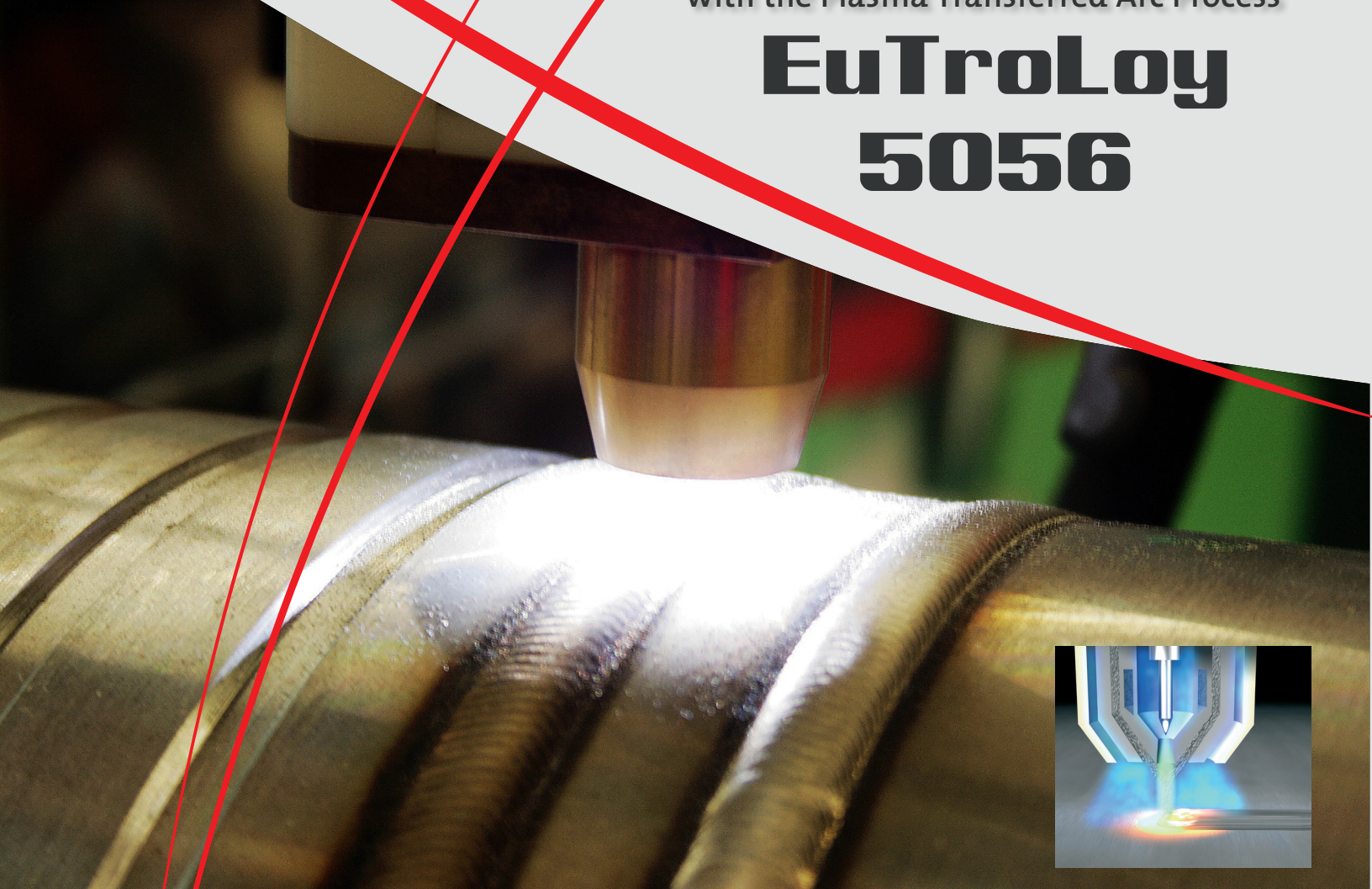




Nickel-Boron-Silicon Powder Suitable for use
with the Plasma Transferred Arc Process

EuTroLoy

5056



- Specially designed for use in the glass mold industry for repair and refurbishment
- Formulated for use on aluminum-bronze parts, but may also be used on some nickel and iron parts
- Coatings exhibit excellent machinability

EuTroLoy 5056

EuTroLoy 5056 is a nickel-boron-silicon alloy powder suitable for use with the plasma transferred arc process. The coatings produced are specifically designed for use on glass mold parts such as bottoms, baffles and guides. EuTroLoy 5056 was developed for use on aluminum bronze parts but may be used successfully on nickel and iron alloy base metals as well.

Coatings of 5056 are of moderate hardness and exhibit excellent machinability. Process parameters are specific to the PTA torch and system employed, as well as, the chemistry, mass and geometry of the base metal being coated.

TECHNICAL DATA

Typical Powder Properties	
Macrohardness:	HRC 20 (dependent on base metal dilution)
Coating Density:	8.5 g/cc
Melting Point:	1950
Typical Coating Properties	
Apparent Density:	4.6 g/cc
Hall Flow Rate:	14 seconds/50 grams

Equipment

Made for use with Castolin Eutectic's Eutronic® GAP Plasma Transferred Arc equipment. Please contact Eutectic to determine which GAP 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. Please contact Eutectic Technical Services for more information.

TYPICAL APPLICATIONS

Developed for glass mold manufacture and repair. Ideal for applications such as aluminum bronze bottoms and baffles, nickel alloy guides, high alloy cast iron bottoms and baffles

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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