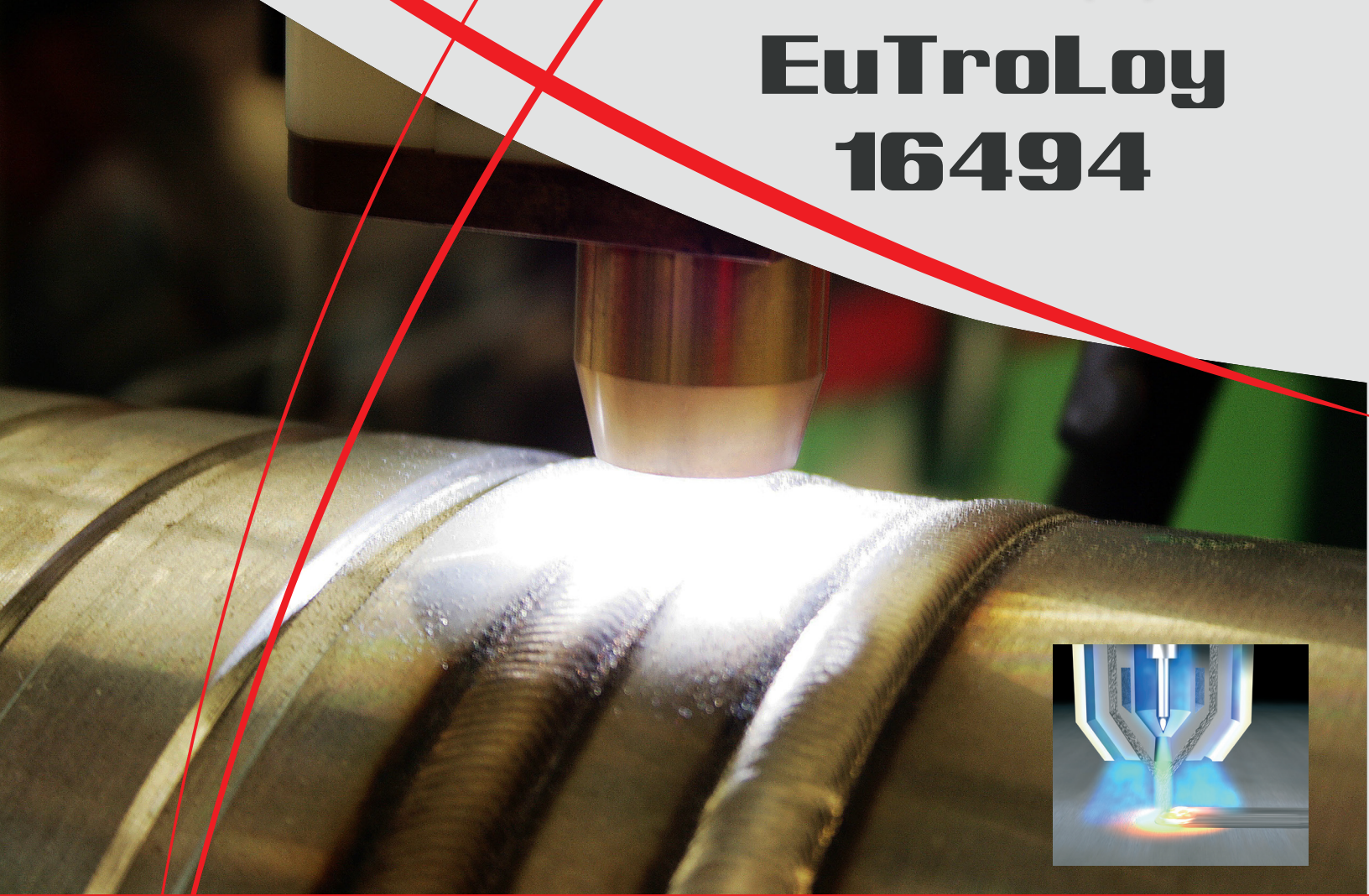Gas Atomized, Nickel Alloy Powder for the
Plasma Transferred Arc (PTA) Process

EuTroLoy 16494

- Specially developed for the plasma transferred arc process
- Spherically shaped to ensure highest purity
- Consistant powder distribution through equipment
- Abrasion and friction resistant coatings

EuTroLoy 16494

EuTroLoy 16494 is a high performance atomized nickel alloy powder optimized to produce a durable, abrasion, and friction resistant machinable coating using the Eutronic® GAP Plasma Transferred Arc Welding process.

Controlled composition based on AWS A5.13 and precise particle sizing ensures consistent, porosity free weld deposition, and hardness.

TECHNICAL DATA

Typical Values	
Hardness:	39 HRC
Density:	7.8 g/cc
Hall Flow Rate:	19 seconds
Bulk Density:	4 g/cc
Max. Service Temperature:	1020ºF (550ºC)

Nominal Composition:

Nickel, Chromium, Boron, Silicon, Iron, Carbon

Equipment
Made for use in Eutectic's 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

- Baffle plates (sugar industry)
- Steam nozzles
- Muller mixer shafts
- Thrust collars
- Armature shafts