

GrainPro[™]

Induction Alloy & Grain-Making Machine

What Is A GrainPro[™] ? The GrainPro[™] from Neutec[™] is an induction-heated machine that uses state-of-the-art technology to produce casting grain for investment casters, alloy-makers and continuous casters. With this machine, you need not plan your schedule around your grain-making capabilities. Whether you are manufacturing tubing or sheet or jewelry pieces, the GrainPro lets you grain what you need—as you need it—while manufacturing operations continue smoothly and efficiently.



Neutec[™] GrainPro[™]: An Essential Tool

The GrainPro[™] is the perfect tool for making grain—either in batch mode (for alloying) or in the continuous mode (for recycling scrap or sprues).

The GrainPro streamlines manufacturing processes like never before by creating consistent, fast, high-quality grain for:

- investment casters.
- continuous casters who must have homogeneous alloyed metal going into their crucibles.
- alloy makers who are creating alloy in wholesale batches.

Fast Graining Rates

and Quick Change-Over The GrainPro[™] is extremely productive, re-graining sterling silver at up to .75kg per minute (45kg per hour), and gold alloys take even less time! When used for making alloys, the GrainPro can be changed from one alloy to another in minutes with no danger of one alloy contaminating another.



710-945

Benefits The exclusive Neutec[™] technology engineered into this machine gives it the time- and money-saving benefits you've come to expect from Neutec. The benefits you will enjoy from the GrainPro[™] include:

Consistency

Produce homogeneous alloy or grain—batch after batch.

Quality

Make the defect-free, optimal-size grain experts always recommend for a better quality cast.

Productivity

Save time and gain efficiency with high speed continuous grain-making.

Affordability— less expensive than you might think, the GrainPro begins paying for itself from day one.



Sharing your passion for making jewelry.
Products. Service. Know-how.

GrainPro™

Features

- Pulsed Power Stirring™ technology ensures homogeneity.
- Patented AutoValve™ crucible provides continuous operation.
- “Empty crucible” technology ensures complete recovery of metal at the last pour.
- Improved grain-making tank allows rapid alloy changeovers.
- Closed-system with nitrogen or argon gas provides an inert atmosphere.
- Neutec™ single-billet graphite crucibles scavenge oxygen dissolved in the metal.
- 18-turn induction coil provides superior stirring capabilities and is encased in a ceramic potting that makes the coil extremely reliable and helps to protect against electrical shock.

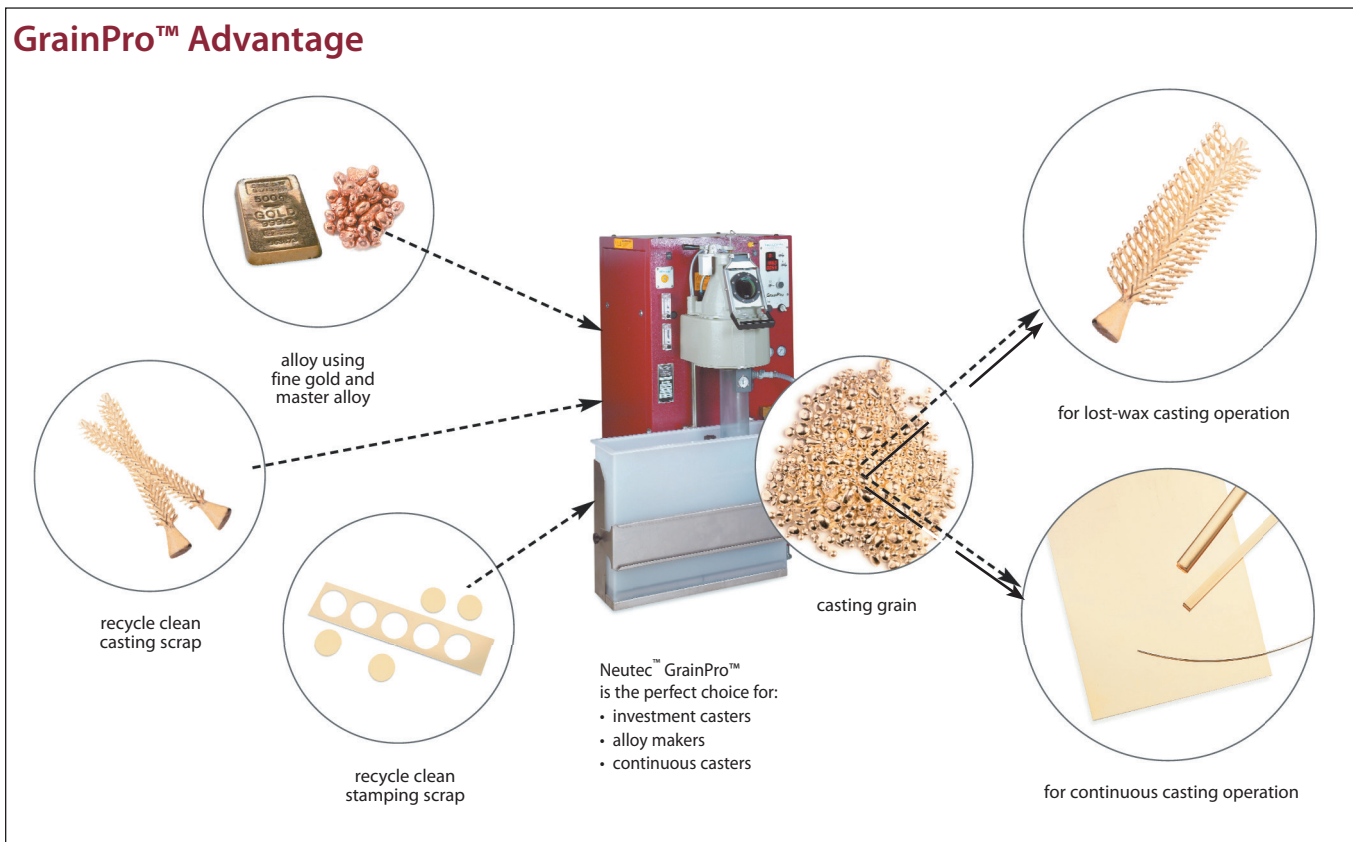
Options

- Re-circulating cooling system for internal components.
- Water chiller unit for the grain-making tank water supply.
- 20kW or 15kW model.

GrainPro™ Specifications:

Crucible capacity:	815cc (8.5kg sterling, 15.8kg 24K)
Thermocouple type:	type-K thermocouple (1200°C/2200°F) type-S thermocouple (1510°C/2750°F)
Physical dimensions:	95.8 x 107.8 x 131cm (37.7" x 42.5" x 51.6")
Shipping weight:	503.5kg/1,110 lbs.
Power requirements:	208–240 volts, 50–80 amps, 3-phase, 50/60Hz

GrainPro™ Advantage



NEUTECH®
Creative technology from RIO GRANDE*