

APPLICATIONS

Horizontal continuous casting of rod and hollow bars in non-ferrous alloys:

Alloy type	Description	Elements
Copper	Phosphorus copper (typ up to 450 ppm)	Cu,P
Copper Silver	Silver bearing, oxygen free	Cu,Ag
Copper Tin	Tin bearing oxygen free	Cu,Sn
High Copper Alloy	Copper-silicon	Cu,Si,Mn
High Copper Alloy	Copper-magnesium	Cu,Mg
High Copper Alloy	Copper-cadmium	Cu,Cd
Copper-Aluminium	5 to 10% aluminium bronze	Cu,Al,Fe
Copper-Nickel-Zinc	Nickel silver, 10 to 18% nickel	Cu,Ni,Zn
Copper-Zinc	Brass, 5 to 40% zinc	Cu,Zn
Copper-Zinc-Lead	Leaded brass, 1 to 4% lead	Cu,Zn,Pb
Copper-Zinc Alloy	Special brasses	Cu,Zn,Al,Sn,As
Copper-Zinc Alloy	High tensile brass	Cu,Zn,Mn,Al
Copper-Tin Alloy	Phosphor bronze	Cu,Sn,P
Copper-Tin- Lead Alloy	Leaded phosphor bronze	Cu,Sn,Pb,P
Copper-Tin-Zinc-Lead	Gunmetal	Cu,Sn,Zn,Pb
Lead-Tin Alloy	Lead, 1 to 63% tin	Pb,Sn
Braze Filler Metal	Copper-phosphorus-Ag	Cu,P, Ag
Silver Braze Filler	Silver brazing alloys	Ag,Cu,Zn
Silver	Pure silver	Ag
Silver Alloy	Sterling to coin silver	Ag,Cu
Silver Alloy	Silver-cadmium	Ag,Cd
Gold	Pure gold	Au
Gold Alloy	9 to 22 carat gold	Au,Ag,Cu
Gold Bonding Wire	Gold & refiners	Au, various
Dental Alloys	Silver, gold, platinum, palladium	Ag,Au,Pt,Pd
Zinc	Zinc	Zn

- The above list is indicative only of the more common pure metals and alloys which may be continuously cast on Rautomead "R" series machines.
- Other pure metal and copper alloys may be successfully produced. Please consult the company for technical advice.
- Casting characteristics of alloys differ according to the material. This influences sections and sizes, which may be cast, casting speed, and casting die life.
- Certain elements carry specific health and safety risks. Check with the company.
- Certain alloys may be subject to patent protection.