

ROMANOFF WEST

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INDUTHERM-Induction-Granulating Machines GU

500/1000/3000/12000

Shortening **GU** comes from **G**ranulation **U**nit



Major applications at customer:

- Granulating of metal bullions into proper grains
- Preparation of alloys out of gold and master alloy under protecting gas atmosphere or under vacuum
- Preparation of alloys components under protecting gas atmosphere or under vacuum
- Preparation of alloys out of components under protecting gas atmosphere or under vacuum
- Cleaning up of already cast metal under protecting gas atmosphere or under vacuum

Major advantages:

- Excellent mixing of molten metal due to low frequency generator
- Melting under protection gas atmosphere or Vacuum
- Alloy mixing because of sealing rod system
- Automatic protective gas control
- Turbo - pressure device for cleaning the complete crucible
- 16 temperature- programs
- Stainless steel granulation tank with pneumatic lift
- Easy emptying of the granulating tank

Available in 4 sizes:

Type GU 500 Graphite crucible for 245 cm³ ≈ 3.5 kg Au 18ct
or Graphite crucible for 386 cm³ ≈ 5.5 kg Au 18ct

Type GU 1000 Graphite crucible for 1500 cm³ ≈ 22 kg Au 18ct

Type GU 3000 Graphite crucible for 3400 cm³ ≈ 51 kg Au 18ct

Type GU 12000 Graphite crucible for 12000 cm³ ≈ 180 kg Au 18ct

Power of generator:

Type GU 500 - 10 kW (400 v/ 3 phases)
Type GU 1000 - 25 kW (400 v/ 3 phases)
Type GU 3000 - 30 kW (400 v/ 3 phases)
Type GU 12000 - 40 kW (400 v/ 3 phases)

Temperatures:

Type GU 500 - 1300°C or 1600°C depend on thermocouple
Type GU 1000 - 1200°C or 1600°C depend on thermocouple
Type GU 3000 - 1200°C or 1600°C depend on thermocouple
Type GU 12000 - 1200°C

Type	(wxlxh) in mm	Weight	Recommended water chiller
GU 500	500 x 820 x 1450	120 kg	4 kW (400 v/3 phases)
GU 1000	700 x 1000 x 1500	220 kg	18 kW (400 v/3 phases)
GU 3000	700 x 1000 x 1500	250 kg	18 kW (400 v/3 phases)
GU 12000	1200 x 1600 x 2000	850 kg	18 kW (400 v/3 phases)