



ERMAKSAN

INNOVATIVE TECHNOLOGIES

**VIGA SYSTEM
INTRODUCTION**

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(VIGA) GAS ATOMIZATION TOWER



VIGA (Vacuum Induction Gas Atomization)

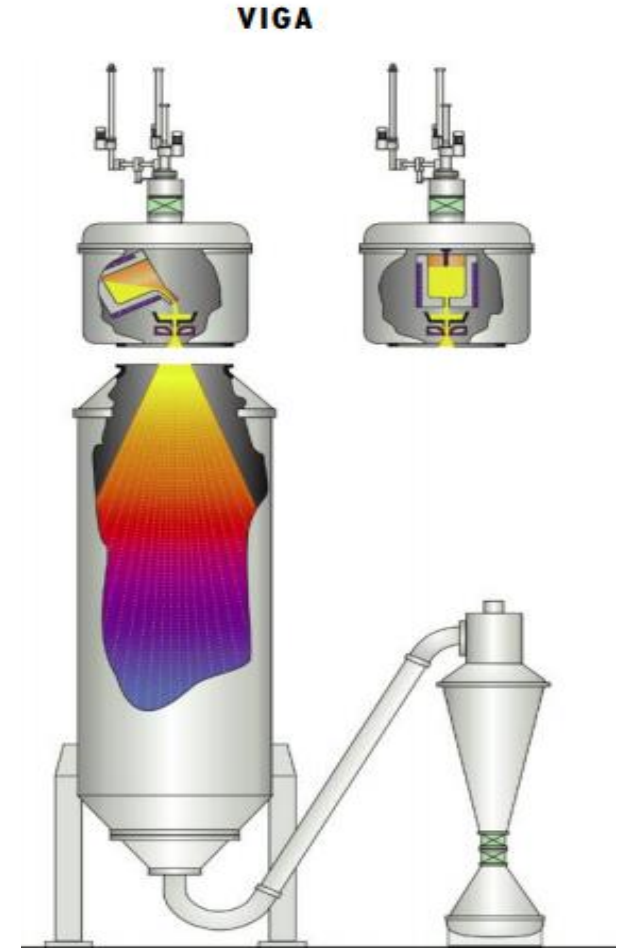
VIGA (Vacuum Induction Gas Atomization)

The system consists 3 production stages. Primarily metals or alloys which will become powder;

1. Melted in Vacuum Induction Furnace (VIM)
2. Then melted metal or alloys are being transferred into the crucible which is compressed previously,
3. Lastly powder atomization ends with consists of dispersing the material melted by pressurized gas by the nozzle.

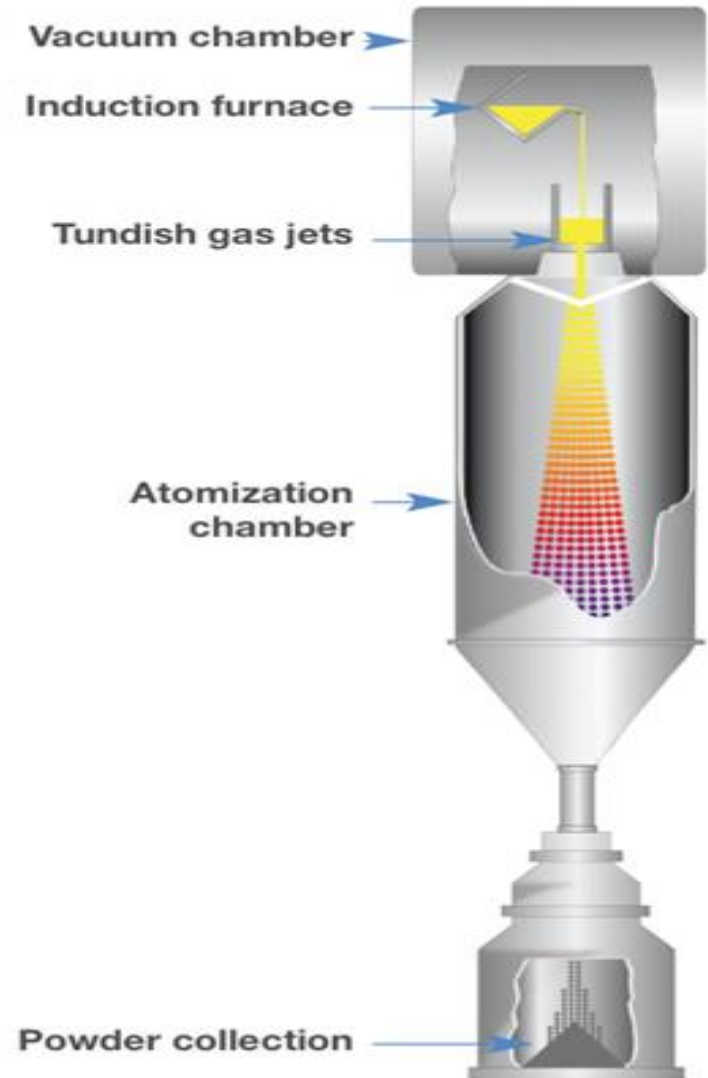
Size of Particles and Gases in use;

1. Size of Powders: 0,1-500 μ m
2. Productive Sizes of Powders: 20-150 μ m
3. Gases are used in Nozzle System; N, Ar, He



(VIGA) GAS ATOMIZATION TOWER

- ✓ Some Nickel Alloys (Super Alloys)
- ✓ Fe-, Co-, Cr- based Alloys
- ✓ Steel Alloys (high)
- ✓ Precious Metal Alloys
- ✓ Aluminum Alloys





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Thanks for your attention



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