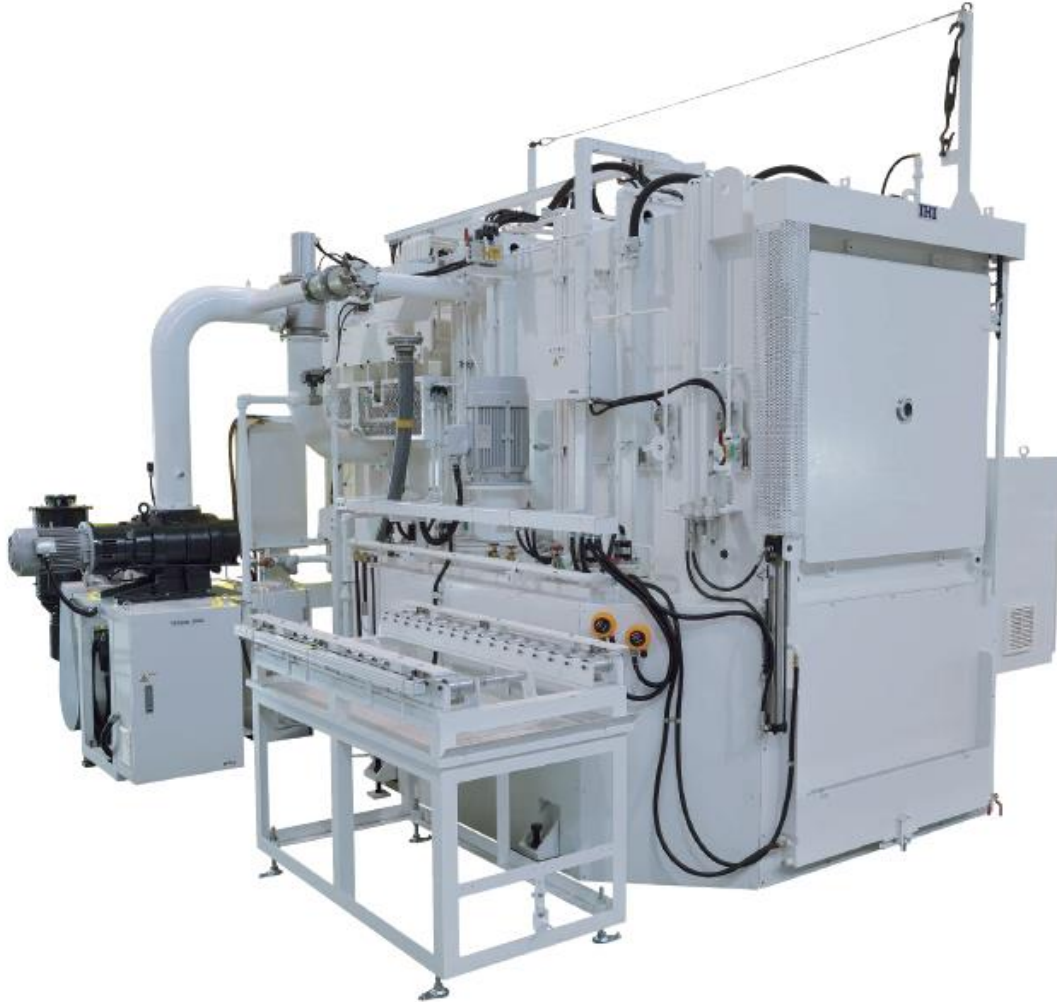


Vacuum Heat Treatment Furnace

VCB Series

Vacuum Carburizing Furnace



■ Application

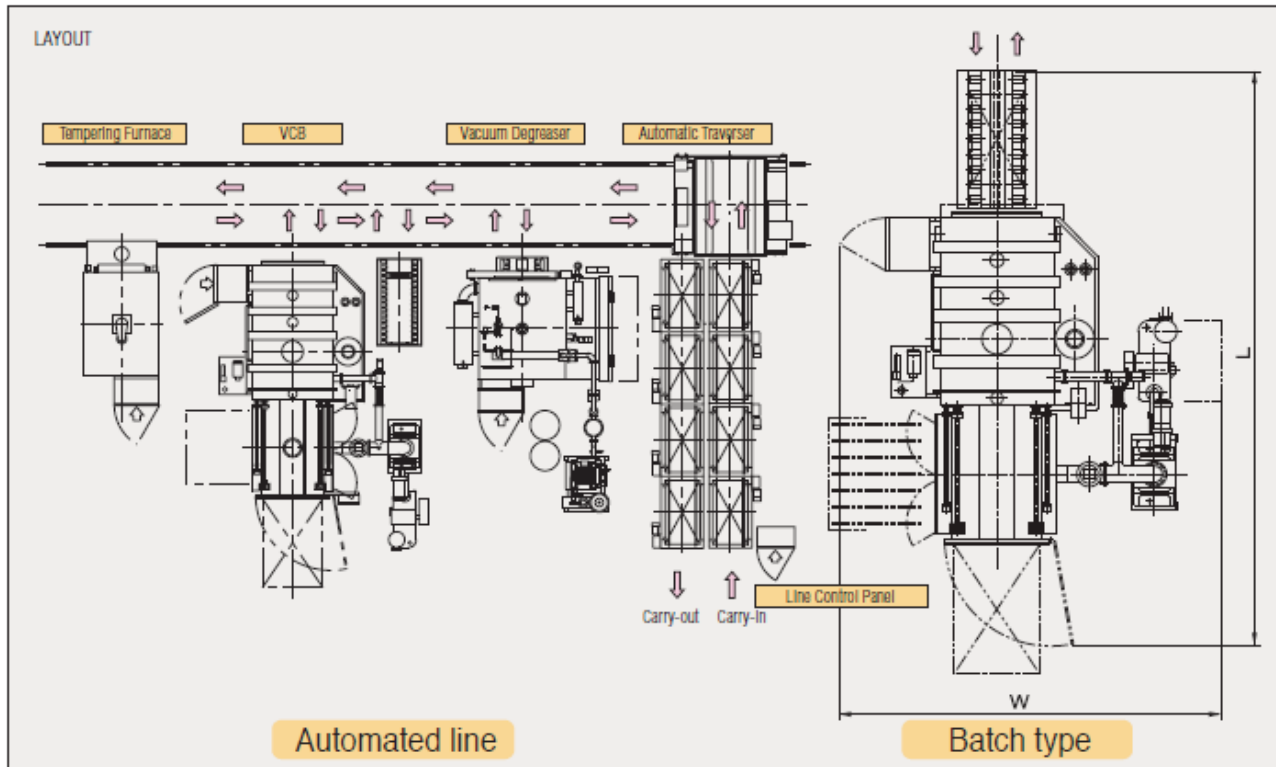
- Vacuum carburizing treatment with oil quenching

■ Features

- Easy to get high concentration carburizing
- No grain boundary oxidation
- Uniform carburizing easily for narrow gap / aperture and deep blind holes
- Ability to carburize stainless steel
- Zero CO₂ emission
- Good working environment

VCB Series

Vacuum carburizing treatment with oil quenching



Standard performance and specifications

Description	Model	VCB-161624	VCB-242648	VCB-243048	VCB-243048(1 ton)
Effective work area		400H x 400W x 600L	600H x 600W x 1200L	600H x 760W x 1200L	600H x 760W x 1220L
Maximum temperature		1100°C	1100°C	1100°C	1100°C
Treatment amount		~200kg / charge	~650kg / charge	~650kg / charge	~1000kg / charge
Ultimate pressure (heating chamber)		10 Pa or less	10 Pa or less	10 Pa or less	10 Pa or less
Power Consumption	Heater	3-phase · 60kw	3-phase · 90kw	3-phase · 120kw	3-phase · 120kw
	Others	3-phase · 40kw	3-phase · 60kw	3-phase · 90kw	3-phase · 105kw
Rotary oil pump		3700L / min	7500L / min	7500L / min	7500L / min
Mechanical booster pump		1630m ³ / Hour (60Hz)	2500m ³ / Hour (60Hz)	2500m ³ / Hour (60Hz)	2500m ³ / Hour (60Hz)
Amount of quenching oil		2700L	5400L	7700L	8000L
Installation space		2900H x 4300W x 5500L	3200H x 5400W x 7700L	3500H x 5600W x 8100L	3700H x 5400W x 9000L

* Option

1. Dual oil stirring system
2. Refining system
3. Carbonriding system
4. Convection heating system
5. Front table
6. Tray

IHI Realize your dreams

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