

***Pit-LPC
Vacuum Pit
Furnace***



PIT-LPC

Vacuum Pit Furnace for Carburizing Thick Layers on Large Workpieces

- Low pressure carburizing
- Triple productivity, lower costs
- Modern alternative to pit atmosphere furnaces

Description:

Pit-LPC – An alternative for atmosphere carburizing which achieves maximum results. Pit-LPC means cost reduction, an environmentally-friendly approach and an increase in production - all possible because the carburizing process is performed under vacuum and at higher temperatures. This state-of-the-art solution meets strict ecological standards while increasing work safety through elimination of natural gas. High homogeneity of the process has a direct effect on the thickness of the carburized layer and on the quality of the workpiece.

Pit-LPC is:

- Adapted to the client's needs so that it can be easily installed in the existing atmosphere furnace bay
- A tool for companies who want to increase their productivity while respecting the highest environmental standards
- Designed for manufacturers who carburize large gears, bearing races, cutting tools and other components requiring a thick carburized layer
- For clients who want to reduce their costs by eliminating unnecessary media
- A tool for companies who want to increase production capacity without purchasing additional equipment. A single Pit-LPC furnace equals 3 atmosphere furnaces – save space by replacing three machines with one!

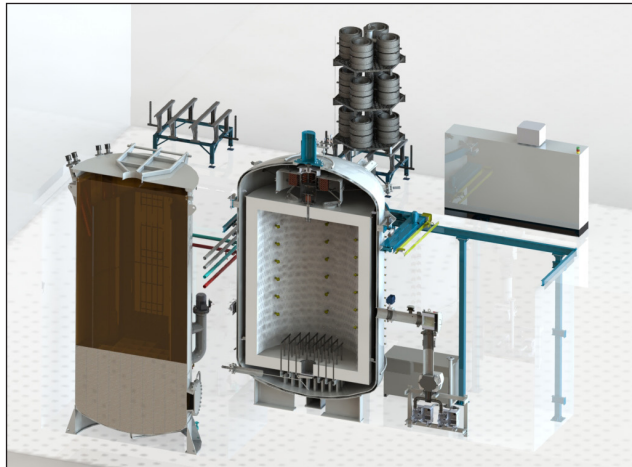
Industries:

- Automotive
- Aerospace
- Power
- Bearings
- Mining
- Tools

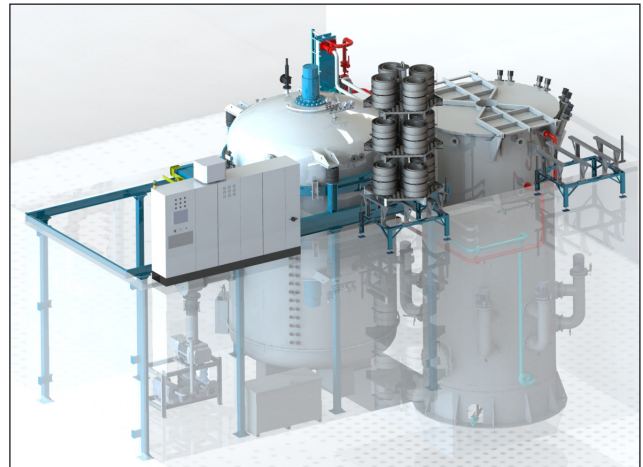
Features

- Effective and efficient carburizing
- Time-saving
- Energy-saving
- Space-saving
- Increased safety





Pit-LPC interior view



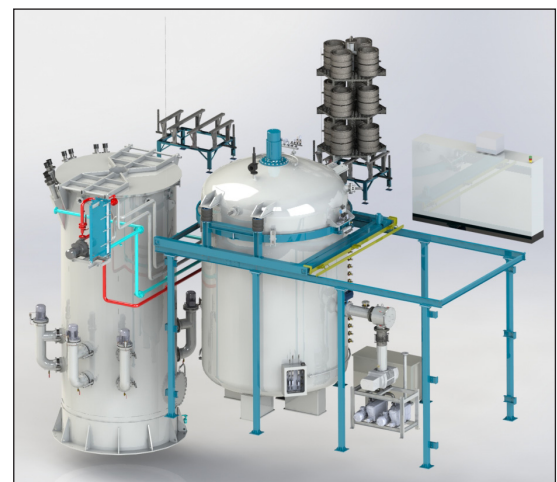
Pit-LPC fits into your existing furnace bay

Furnace Advantages:

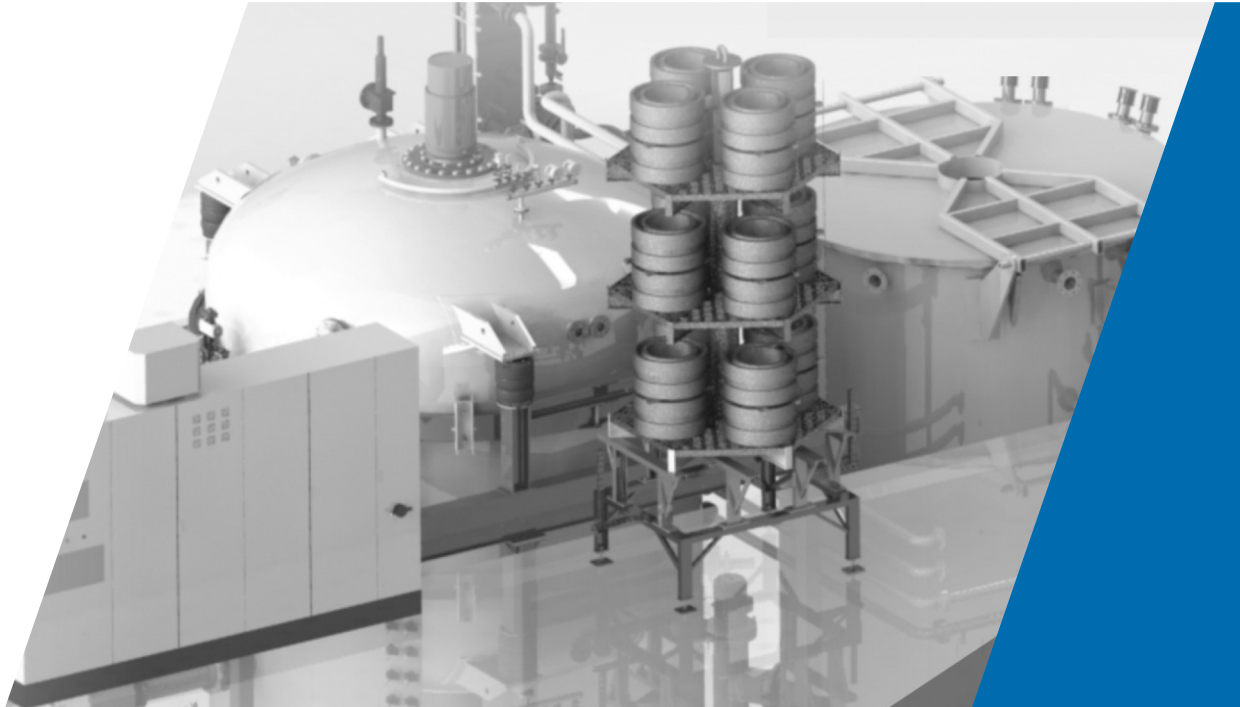
- The highest quality and process uniformity
- Excellent surface quality
- No surface oxidation (IGO)
- Reduction in media usage to the minimum = savings
- Quick high-temperature process
- Minimum consumption of process gases
- Time savings – no need to prepare the process atmosphere
- Quick process initiation does not require purging or atmosphere conditioning as in atmosphere furnaces
- Safety: No flammable or explosive atmosphere
- Low heat emission and no pollution (CO & CO₂)
- Eco-friendly solution

See what others do not see and win the advantage.

- Lower your production and maintenance costs
- Save time and increase productivity
- Improve work safety through elimination of flammable and explosive atmosphere
- Be environmentally friendly by shortening the process



Find out more about our Pit-LPC furnace, the low pressure carburizing, 21st century alternative for atmosphere furnaces!



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We support your success.

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