

Technical specification

Main Technical Data:

Horizontal Version - DiaVac-47H

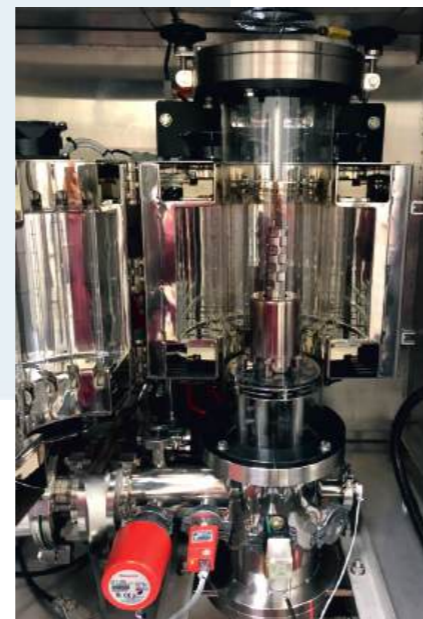
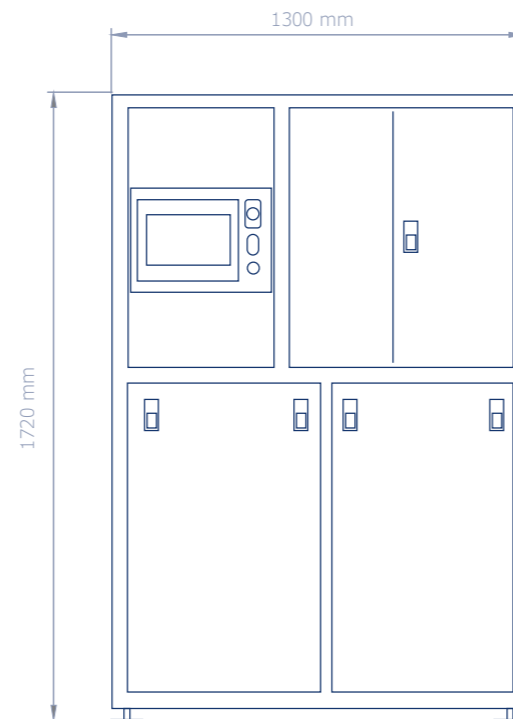
Inner diameter of vacuum chamber: 150mm
Quartz glass holder: 175x130mm
Maximum height: 75mm

Vertical Version - DiaVac-47V

Inner diameter of quartz glass chamber: 150mm
Stainless steel holder automatically rotating
Maximum height: 400mm

General information

- Max. Vacuum: 10-6 torr
- Max. Temperature: Approximately 920 °C
- Temperature Control Precision: $\pm 3^{\circ}\text{C}$
- Size (Horizontal Version): 1300 x 700 x 1720 mm
- Size (Vertical Version): 1100 x 1100 x 1850 mm
- Weight: 550kg
- Power Supply: 3 x 400V/N + PE 35A / 50A - 50Hz
- Power Consumption (H/V): Max. 24/33kW
- Heating Power (H/V): 18/27kW
- Compressed Air Supply: 6 bar
- Cooling: Water cooling via regulated circuit with external cooling unit (19200BTU/h)



Discover a new dimension in vacuum soldering technology with our machine.
Contact us for more information and a demonstration!

Contact Us Today!

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Dive
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future
of
precision
bonding
technology
with
**DIAVAC
47**

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VAC**₄₇

VACUUM BRAZING SYSTEM
FOR THE DIAMOND INDUSTRY

Dive into the future of precision bonding technology

Why choose our **Vacuum** **BRAZING** machine?

Precision Perfected

Our machine enables precise control over the entire brazing process, ensuring flawless connections. Advanced vacuum technology eliminates oxidation for impeccable results.

Versatility

From diamond to PCD and CBN, to ceramics on hard metal carrier materials, our machine offers a universal solution for diverse applications. The flexibility to bond various materials is a hallmark of our technology.

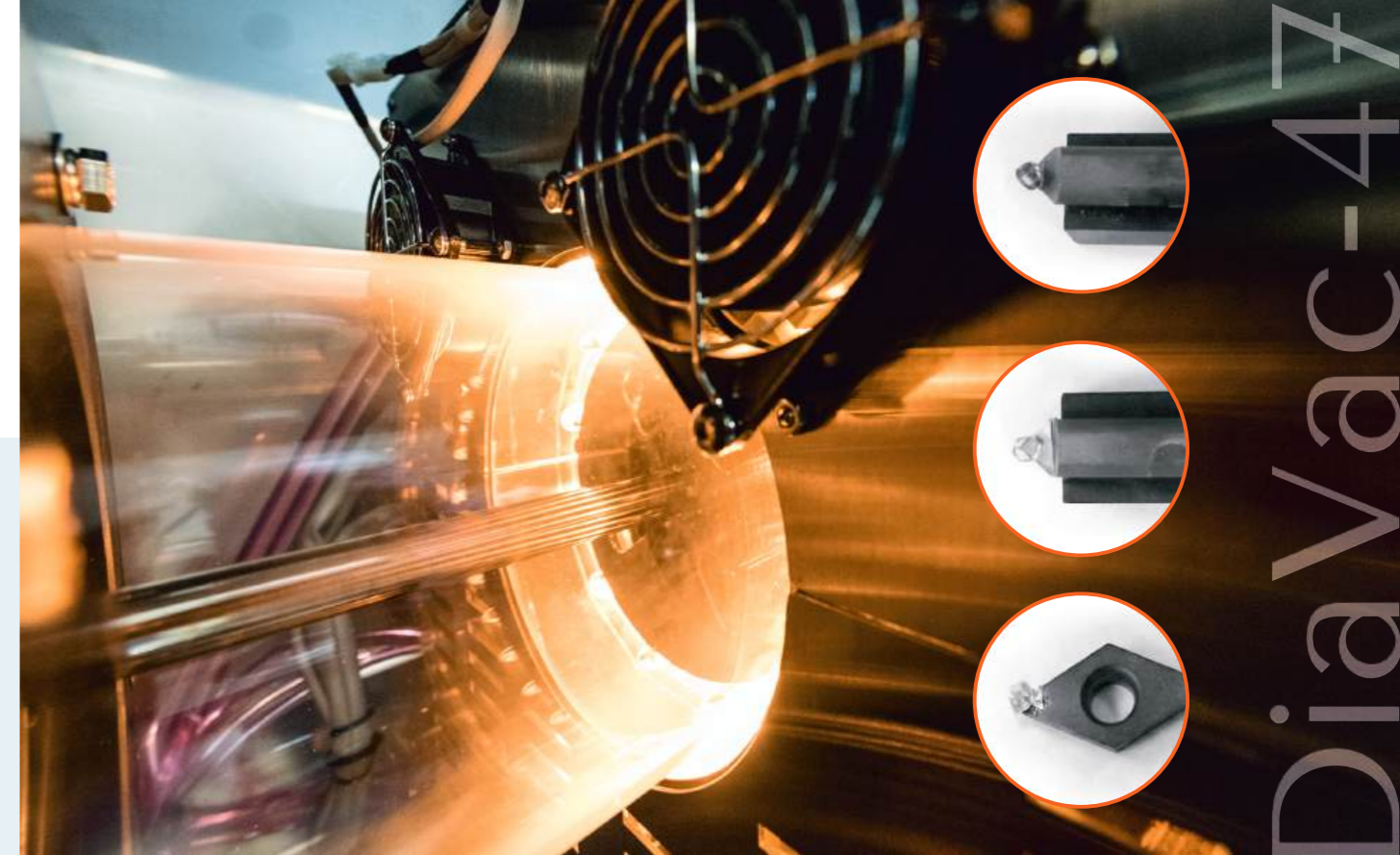
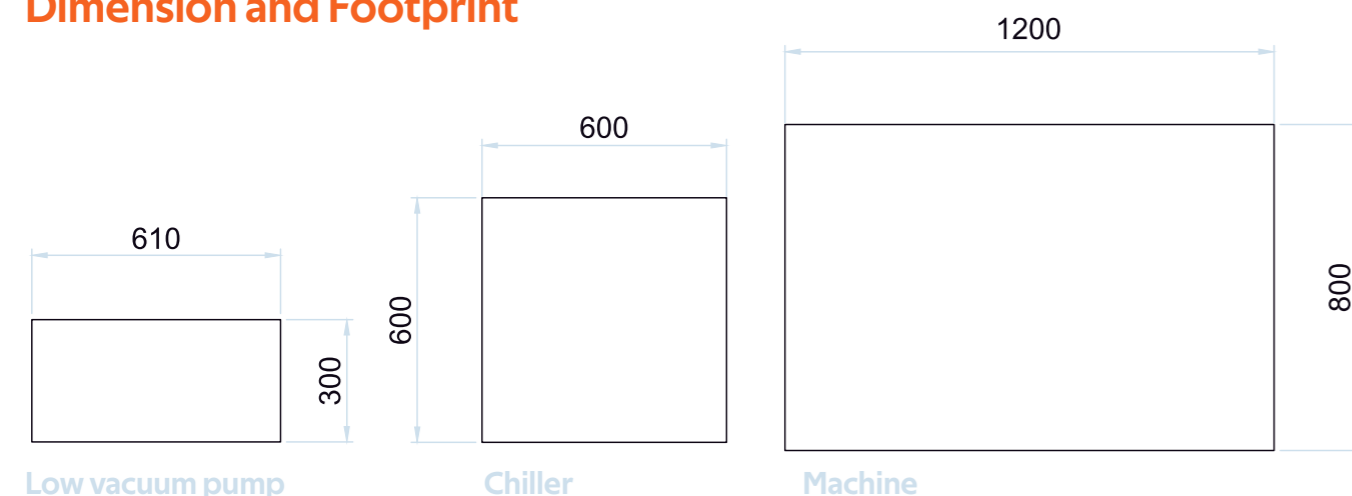
Efficiency Boost

With our vacuum brazing machine, achieve precise results and a substantial increase in productivity. Faster processes and minimal material loss lead to cost savings and an enhanced competitive position.

Durability and Quality

Careful construction and the use of high-quality materials guarantee not only the machine's long lifespan but also the production of tools with outstanding quality and durability.

Dimension and Footprint



Advantages

- Short cycle times, from approximately 75 minutes
- Optimal integration into workflows through smaller batches
- Quick commissioning and rapid production start
- High process reliability and low labor requirements
- Cost-effective: High throughput of up to 600 tools per batch, low per-batch costs, minimal wear and tear
- Simple operation with "One Key Operation"
- Control of all parameters via the HMI
- Investment security: Industry 4.0 ready and machine upgrades possible

Invest in the future of your manufacturing with our high-performance vacuum brazing machines at an unbeatable price!
The key to producing high-performance tools for the most demanding applications.