



VOLLMER

VLASER 370

LASER PROCESSING OF PRECISION TOOLS.
DIRECTLY AT THE MACHINE ROTATION POINT.



ULTRA-HARD CUTTING MATERIALS
PCD CVD PCBN

VLASER 370

While competing machine concepts reach their limits, the VLaser 370 sets new standards. It combines precision with sustainability: innovative kinematics, future-proof components, and outstanding thermal stability, all in combination with impressive user-friendliness, ensuring smooth movements, energy-efficient operation, and powerful results. Uncompromising! Prepare for the future by reducing your energy consumption and ensuring the high quality of your tools.



EXCELLENT KINEMATICS

The VLaser 370 is all about the laser. And literally at the rotation point of the C-axis. Five axes and a laser with fixed beam guidance enable precise and efficient processing directly at the machine center point. It doesn't get more process-secure than this. Nor more precise.

SUSTAINABLE AND EFFICIENT

With the VLaser 370, VOLLMER once again proves itself as the leading machine manufacturer for machining tools made from ultra-hard cutting materials. Now featuring innovative laser technology, characterized by its outstanding energy efficiency and independence from consumables. Efficiency and sustainability - united in a single laser beam.

INTUITIVE OPERATION

Those who are already familiar with VOLLMER EDM machines will master the VLaser 370 after just a brief introduction. The operating philosophy is the same: simply intelligent, intuitively understandable, and extremely user-friendly. And the best part: existing programs from VOLLMER wire EDM machines can be seamlessly transferred.

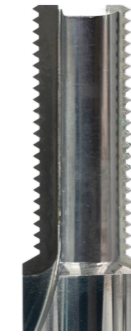
READY FOR THE FUTURE

Automatically boost your productivity with flexible automation solutions – around the clock, whether overnight or on weekends. With a capacity for up to 160 tools. On top, an IoT gateway is integrated as standard, enabling seamless data flow between the machine and the digital environment. Optimize your processes, prevent errors, and minimize downtime.

THE VLASER 370

FLEXIBLE FOR ANY APPLICATION

With the VLaser 370, you process precision tools across various industries - from automotive to aerospace and electronics. The applications for these tools are diverse - and so is the VLaser 370. Experience the most efficient laser machine on the market.



THREADING TOOLS

The machining of narrow and fine thread profiles requires a combination of minimal compensation movement and innovative technology. This is exactly what the VLaser 370 offers with machining at the machine center point.

COMPLEX PROFILES, SIMPLY

Master even the most demanding internal and external profiles with the highest precision and achieve perfect results with every machining process.

SMALL RADII

Thanks to its exceptional accuracy, even the smallest internal radii can be processed with utmost precision.

SURFACE QUALITY

The VLaser 370 enables the machining of ultra-hard cutting materials with outstanding cutting edge quality in the μm -range.

STEP TOOLS

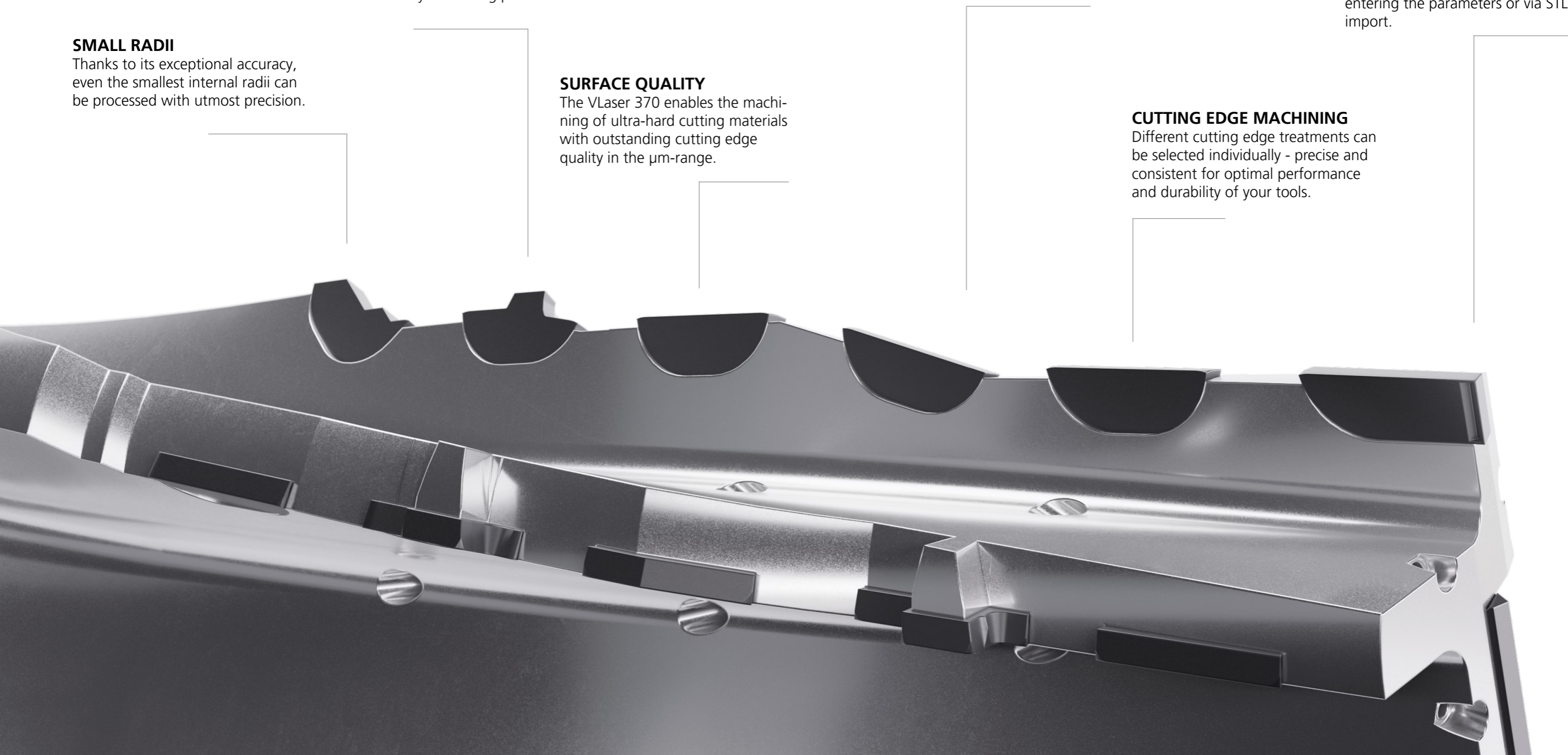
Machining complex geometries and different steps in a tool requires the highest accuracy and flexibility - no problem for the VLaser 370.

CHIP BREAKER

Large-area chipbreakers can be easily and precisely integrated by entering the parameters or via STL import.

CUTTING EDGE MACHINING

Different cutting edge treatments can be selected individually - precise and consistent for optimal performance and durability of your tools.



THE VLASER 370 MAKES THE DIFFERENCE

Whether short or long tools, small or large diameters, simple or complex contours - the VLaser 370 processes tools with minimal compensating movements while setting new standards in machining efficiency.

LARGE OR SMALL

Don't let size limit you: Manufacture your tools precisely and efficiently, regardless of their size. Whether small or large, the VLaser 370 ensures maximum flexibility and optimal results in every dimension.

SIMPLE OR COMPLEX

While competing laser machines struggle with long travel distances and large compensating movements, the VLaser 370 processes with minimal axis movement at the rotation point of the C-axis, ensuring stable process control and the ability to machine tools of varying complexity.

SHORT OR LONG

Short or long tools? No problem! Keep your production simple and machine your tools with a short clamping length without unnecessary extensions. Additionally, a counterpoint is available if needed - ensuring maximum stability and accuracy with every machining process.



TECHNICAL SPECIFICATIONS

TOOL

Outer diameter up to 150 mm
Tool length up to 250 mm (from HSK0)
Weight up to 10 kg

MACHINE OPTIONS

Counter point

AUTOMATION / MAX. CAPACITY

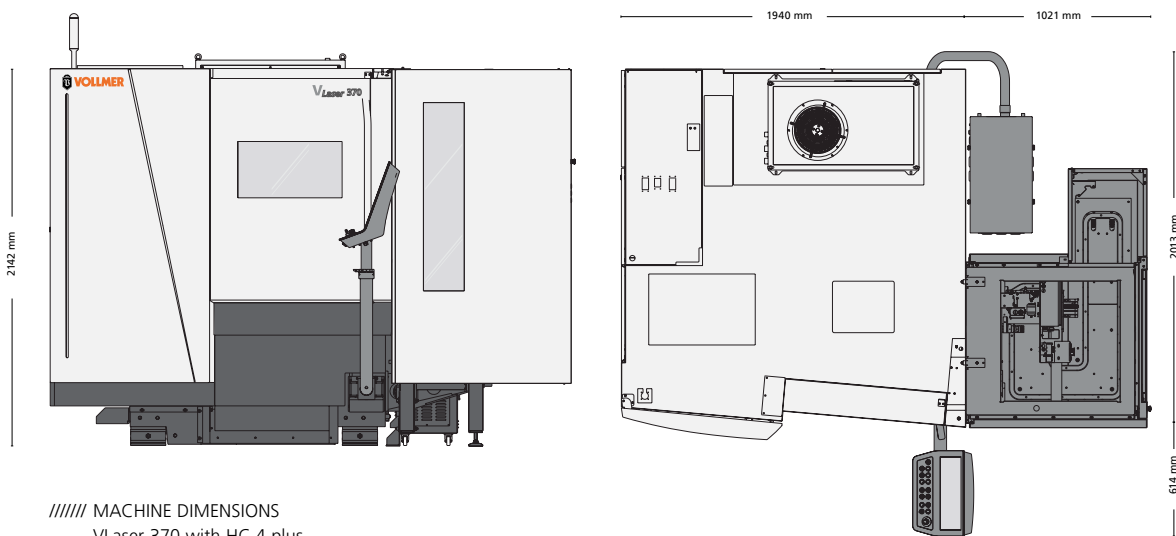
HC 4: up to 158 tools (max. Ø 70 mm)
HC 4 plus: up to 160 tools (max. Ø 150 mm)

CONNECTED LOAD

Max. electrical connected load 6.4 kVA
Pneumatic pressure 6-10 bar

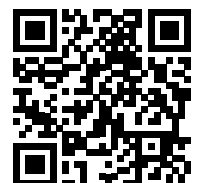
MACHINE WEIGHT

VLaser 370 4300 kg
VLaser 370 with HC 4 4850 kg
VLaser 370 with HC 4 plus 4990 kg



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