

VC -500 AM

ADDITIVE MANUFACTURING



The integration of Additive Manufacturing with Multi-tasking machining

Hybrid Multi-tasking machine – A fusion of next-generation technology with Mazak's extensive Multi-tasking experience

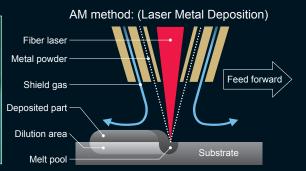
VC-500 AM

ADDITIVE MANUFACTURING

5-Axis Additive Manufacturing (AM) capability

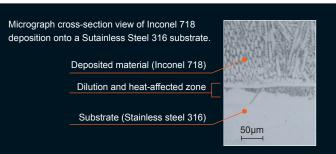
Metal powder is fed from the nozzle tip and melted by a laser to form a coating or feature.





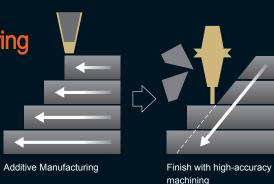
Jointing dissimilar materials

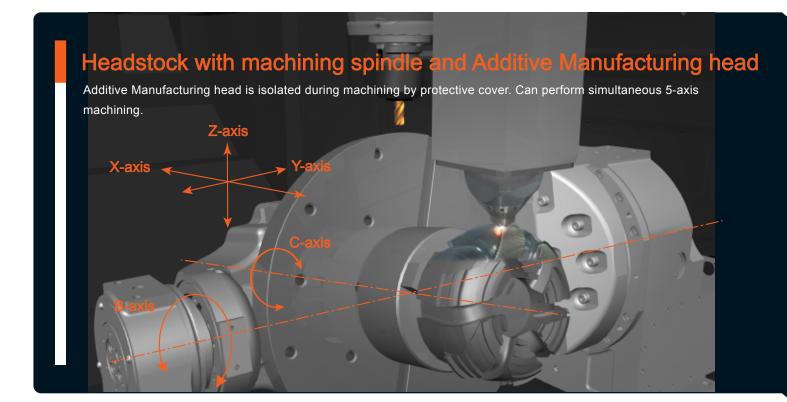
High density build-up of one material on another.



Near net shape by Additive Manufacturing and machining with high accuracy

After building up, parts can be machined to required tolerances in the same setup by using Mazak Multi-tasking technology.





Process from Additive Manufacturing to high-accuracy machining



Additive Manufacturing

VC-500 AM with optional equipments



Finish with high accuracy machining

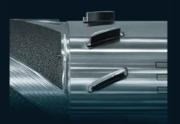


Additive Manufacturing applications are found in a wide variety of industries









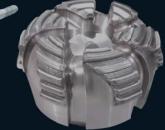
Shaft work

- 316 Stainless Steel substrate
- Inconel 718 deposition material



Turbo impeller

- Inconel 713 substrate
- Inconel 718 deposition material



Drill Bit

- Steel substrate
- Inconel 718 deposition material









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- $\hfill \square$ Specifications are subject to change without notice.
- This product is subject to all applicable export control laws and regulations.
- The accuracy data and other data presented in this catalogue were obtained under specific conditions.
- They may not be duplicated under different conditions. (room temperature, workpiece materials, tool material, cutting conditions, etc.)

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