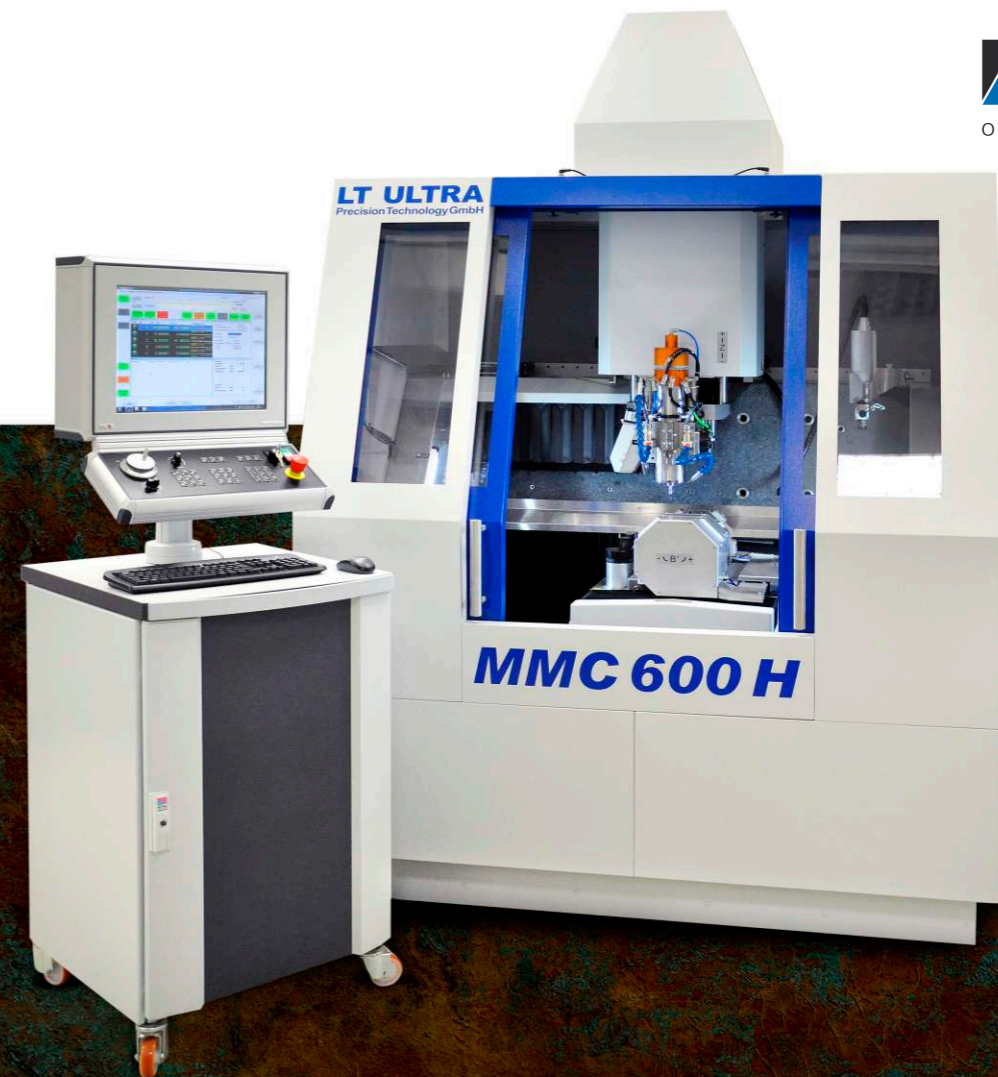




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ULTRA-PRECISION-MILLING MACHINE

MMC 600 H

SPECIFICATIONS:

| | |
|---------------|---|
| Control: | Delta Tau Power Pmac |
| CNC-axis: | X-, Y-, and Z-axis, optional B, C and CC |
| Bearing Type: | hydrostatic (oil), CC air bearing |
| Drive system: | linear motor X-, Y- and Z- axis, B and C with torque motors |
| Travel: | X = 600 mm, Y = 220 mm, Z = 250 mm |
| Speed: | up to 2000 mm/min |

MICROMILLING SPINDLE:

| | |
|-----------------|------------------------------|
| Bearing Type: | air bearing design |
| Drive system: | torque motor |
| Speed range: | 60.000, 80.000 - 100.000 RPM |
| Tool Interface: | pneumatic collet or HSK 25 |

OPTIONS:

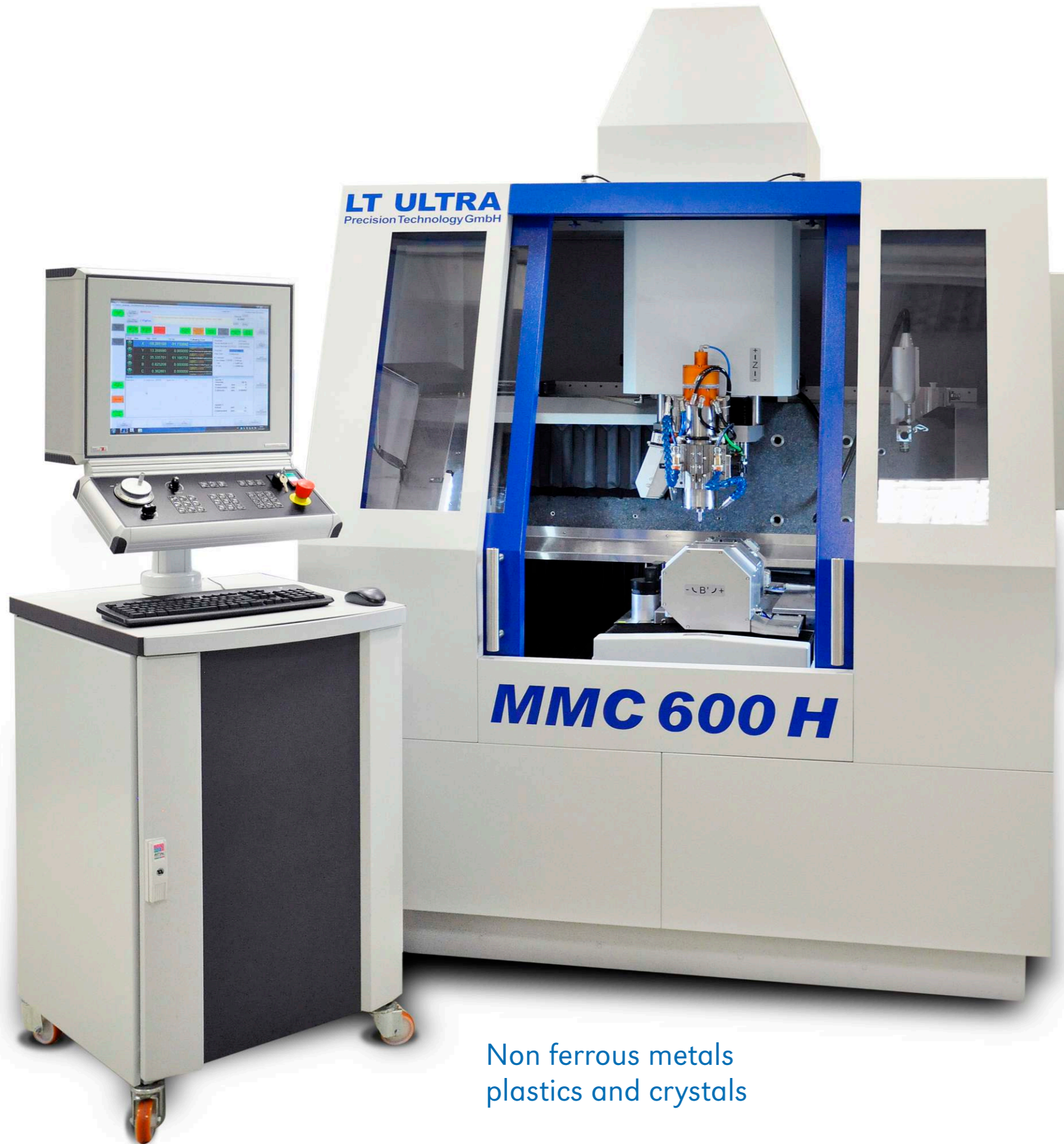
| |
|--|
| 3D- touch probe |
| C- axis, rotary / tilting table, CC- axis (6 axis) |
| Minimum quantity lubrication |
| Vacuum device for chip removal |
| Tool Changer |
| Additional Z- axis for Flycutting Spindle |

ULTRA-PRECISION-MILLING MACHINE

MMC 600 H

MMC 600 H

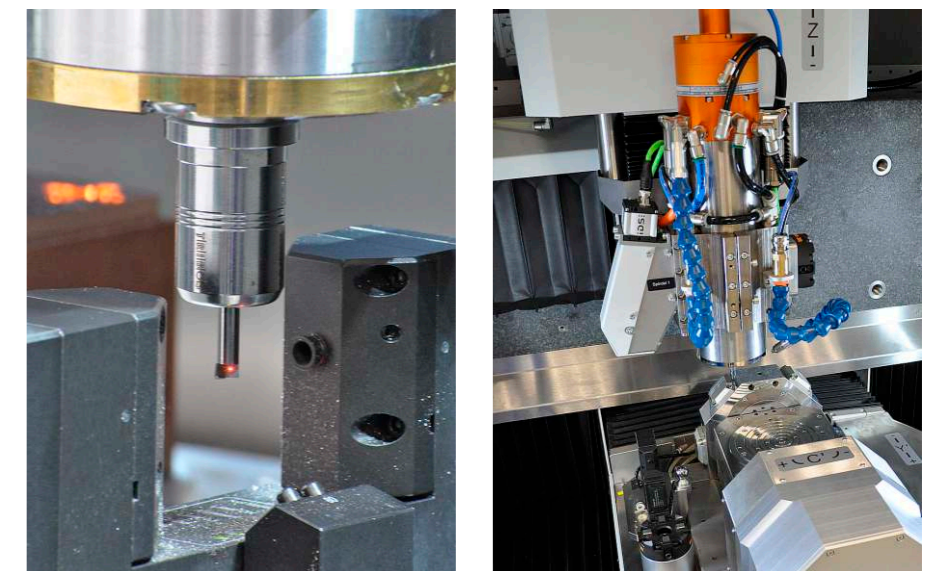
ULTRA-PRECISION-MILLING MACHINE



Non ferrous metals
plastics and crystals

The MMC H (micro milling center hydrostatic) series machines were developed according to the needs of micro and ultra precision multi-axis-machining. H stands for hydrostatic oil bearing, and describes the fact that the machine is equipped with hydrostatic oil bearing technology in all linear and rotary axes. By using diamond tools, optical surface quality can be achieved on a wide range of materials like crystals, nonferrous metals and plastics.

Similar to the MMC 600/900 air bearing machines, the basic setup can be equipped with various accessories. The basic setup consists of 3 linear axes and can be upgraded by additional rotary, tilt or spindle axes to 4, 5 or 6 axes. Attachments, like different spindles, vacuum chucks, palleting systems, 3D touch probes for workpiece measurement, tool changer and automated tool setting, allow an effective use of the machine. Besides further accessories, there is the possibility to develop customized solutions, to adapt the machine to your needs. Please do not hesitate to contact us.



- micro milling
- hydrostatic (oil) bearing technology
- granite machine base
- process camera
- active vibration isolation system
- Tool changer
- Tool setting system

U P - M A C H I N E S