

MILL P 800 U S unlimited

The machine that grows with your needs



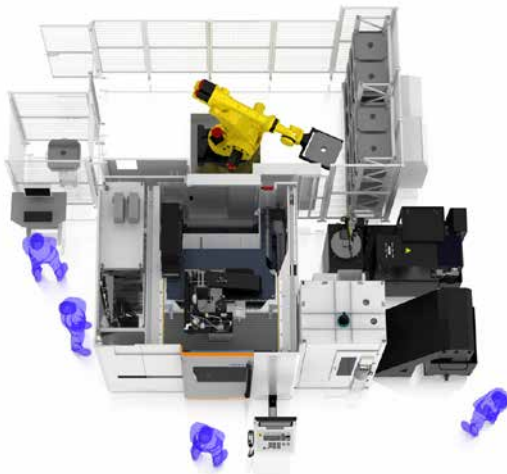
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Robustness, dynamic and precision in a perfect layout

The MILL P 800 U S delivers unmatched robustness, dynamics and accuracy as a true 5-axis machining center. With twin gantry-type design and a full torque-motor rotary tilting table drive system, the MILL P 800 U S is designed for high-performance milling applications: from roughing to high accuracy and best surface finish in simultaneous 5-axis operations.

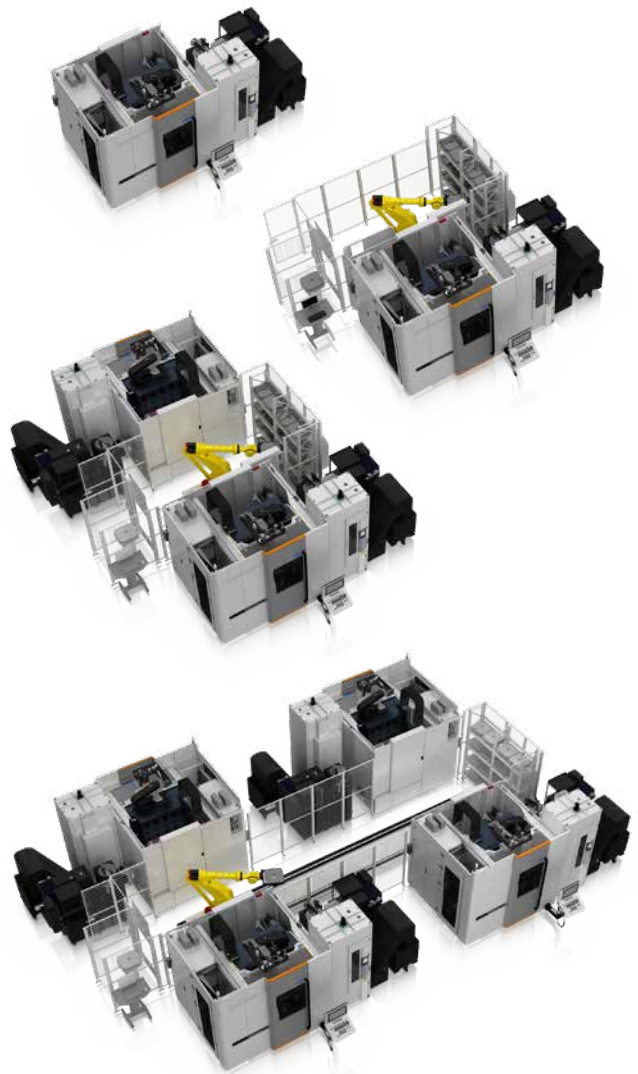
Ready for manned and unmanned operation

The MILL P 800 U S unique design ensures perfect ergonomics for the operator with full accessibility to the working area and the tool changer, while keeping the back access for automatic loading and unloading.



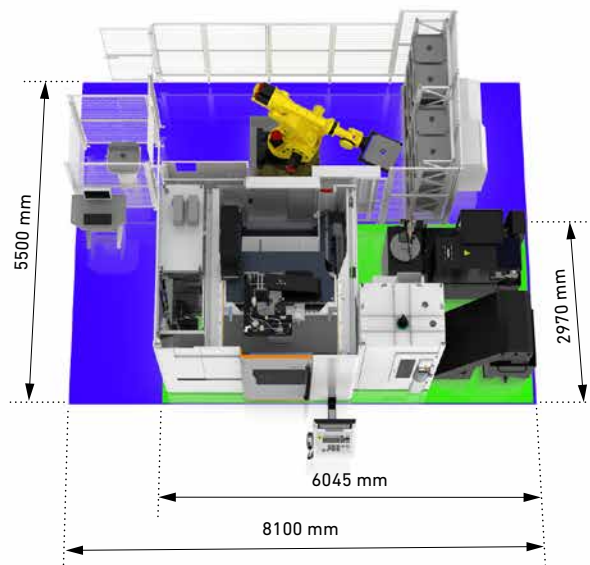
Ready to grow

You can start buying a stand-alone machine to produce those complex and difficult parts. Once your demand is growing, the MILL P 800 U S is ready to be automated for a loading/unloading operation from the back by a System 3R robot and pallet system. And if demand grows further you can easily add a second machine, or even expand the system on rails to add multiple machines.



Ready for everywhere

The MILL P 800 U S has an optimized layout for compact automation cells. As a result, it matches any production requirements.



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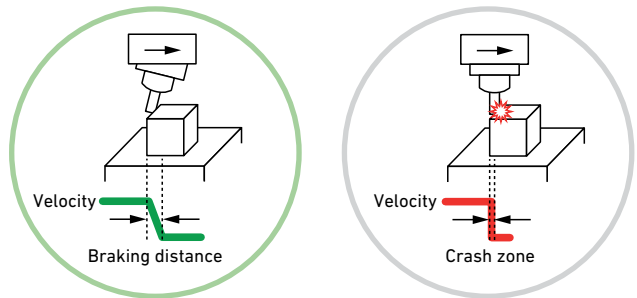
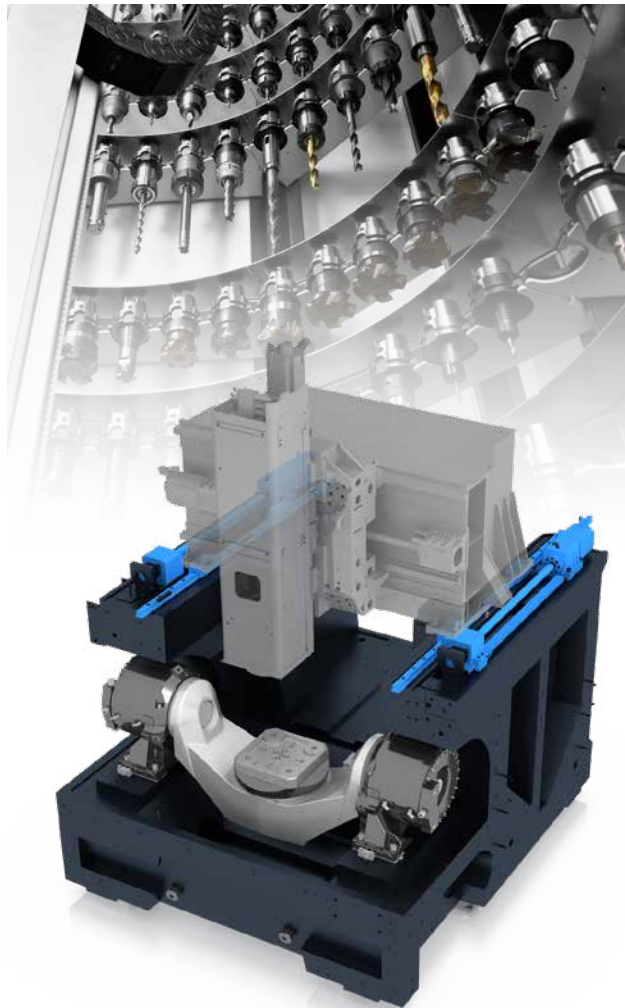
Ready for 24/7 performance

Ready for everything

The MILL P 800 U S is designed for non-stop operation of complex 5-axis parts, which requires many different operations and tools. This is why we offer the 120 or 170 tool tower magazine as standard.

Ready to avoid crashes

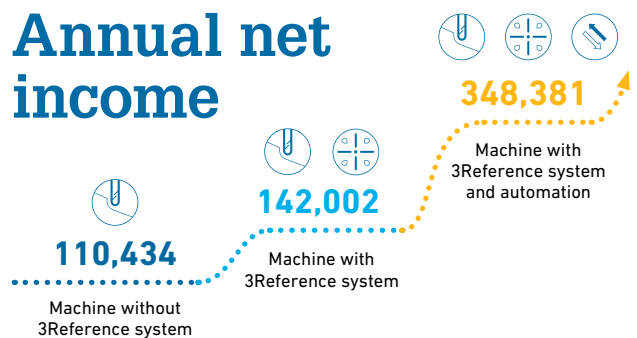
Machining complex parts 24/7 might seem risky, but with GF unique's MSP system, the machine is ready to operate even after an unfortunate collision. So you are safe to keep on rolling for many more hours with a quick restart.



Automation makes the difference

In today's competitive job-shop market, automation is no longer an option but the only way to make the difference with your competitors. The MILL P 800 U S is fully ready to be automated from start or as a later expansion. All this to have a 24/7 production ready to perform.

Annual net income



Technical specifications

| | | |
|------------------------------------|-------------------|--|
| Travel X, Y, Z (*) | mm | 800 x 800 x 550 |
| A Axis / C Axis | ° | +91/-121° / n x 360° |
| Feed rate X, Y, Z | m/min | 61 |
| Feed rate A, C | min ⁻¹ | 50, 60 |
| 20,000 min ⁻¹ , HSK-A63 | kW/Nm | 36/120 |
| Accuracy A / Repeatability R | μ | 8 / 5 |
| Smart machine module (**) | - | AMC Automated machine calibration |
| Clamping surface | Ø mm | 500/631 |
| Max. workpiece weight | kg | 360/500/1,000 |
| Tool magazine | Positions | 120, 170 |
| Tool identification reader (**) | - | RFID, QR-code |
| Pallets | mm | Delphin 448 x 448, Berg 500 x 500 |
| Machine weight (with ATC) | kg | 17,000 |
| Control | - | Heidenhain TNC 640 / Siemens SINUMERIK ONE |

* Length x depth x height ** Option

MILL P 800 U S

At a glance

We enable our customers to run their businesses efficiently and effectively by offering innovative Milling, EDM, Laser, Additive Manufacturing, Spindle, Tooling and Automation solutions. A comprehensive package of services completes our proposition.

www.gfms.com

