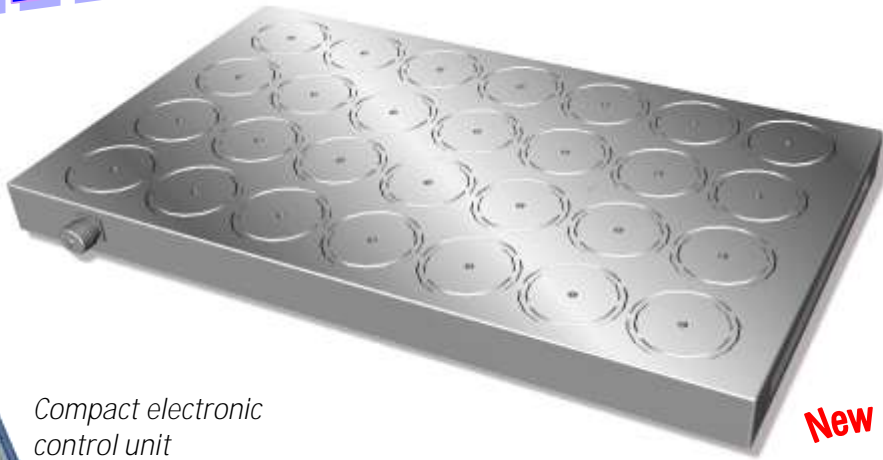


MILL-TEC®

The final generation for milling
Permanent-electro magnetic systems
with full solid metallic surface



Worldwide
preview



New Patented Technology



Compact electronic
control unit

The solid full metallic surface of the chuck is provided with high precision threaded holes made with high resistance coaxial screws, to position our new patented pole extensions RMP type on the magnetic area.

High accuracy in machining operations are granted, absence of deformation and no vibrations during the machining, improvement of the machine and cutting tools performances, in addition to easy of cleaning and to an extended durability of the product.

Wider drillable areas permit to install precision bushes to generate hybrid surface suitable to use mechanical stoppers or dedicated clamps for the non magnetic or complicated work pieces as well.

The new patented round pole mobile extensions RMP "self setting at 360° to the workpiece" make easy the positioning on the chuck avoiding any mistake and granting power performances increased 20% compared to the traditional ones. The round shape make easier the cleaning.



The "proof" construction prevent any possible chips or dirtiness penetrating inside the internal mechanism thus granting constant functioning and performances without maintenance.



The MILL-Tec innovative solid block construction with integrated poles allows to exploit at the most the characteristics of low weight high sturdiness together with a compact structure.

The admit table work pieces on the machine table can be bigger in term of weight and dimensions.

The new water-proof high-efficiency solenoids are placed in an area that comes mechanically protected from the metallic working surface.



TECNOMAGNETE

Safety through power



The permanent-electro technology developed by Tecnomagnete, grants great advantages that many thousands of customers all over the world already know:

- High clamping force granted from the *QuadSystem* bidirectional double magnet circuit
- Full safety because power supply is used for few seconds only to magnetize and demagnetize the system.
- No power consumption during all machining operations so no overheating of the chuck.
- No magnetic flux dispersion or magnetic residual because the flux is entirely concentrated in the magnetic area only.
- No moving parts with total absence of internal wear.
- Long run reliability without maintenance.

The combination of high performance magnets and a high efficiency circuit permits to compose magnetic tables with performances up to 75 Ton./m² clamping force at zero air gap.



MILL-Tec "AutoClamp"

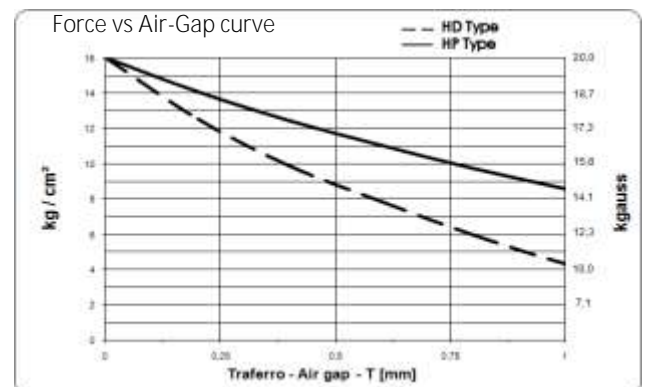
MILL-Tec *AutoClamp* version is provided with an innovative and patented magnetic circuit that permits the chucks to magnetically clamp itself on the machine bed, granting perfect stability and uniform clamping between the machine table and the work piece.

MILL-Tec *AutoClamp* make easy and quick the repositioning of the chuck on every ferrous surface.

Technical specs. To be defined on customer requirements.

TECHNICAL CHARACTERISTICS - MILLTec standard version

Force:	Up to 16 kg/cm ²
Standard dimensions	Length: from 300 to 1000 mm Width: from 200 to 600mm
Fixing to machine table	2 lateral slots
Thickness	51mm (HD type) 66 mm (HP type)
Minimum thickness for short-circuiting	17mm



All data are drawn and checked with maximum care. We do not charge any responsibility for possible mistakes or omissions. We reserve the right to bring up any modification connected with the technological development.

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