

TFP

Permanent-electro magnetic system for precision grinders

- Uniform clamping on all surface
- No residual magnetism in the piece
- No overheating
- No maintenance
- No vibrations

SAFETY

& TECHNOLOGY

The Tecnomagnete permanent-electro patented circuit allows to activate-deactivate the chuck with short impulses for the duration of a few seconds.

During the clamping phase the electric power is excluded, allowing to obtain the highest level of safety.

Besides the energy saving the chuck will maintain a cold condition with the related absence of dilations or deformations.

over **35**
Years Experience
with continuous improvements and constant cooperation with the main machine manufacturers

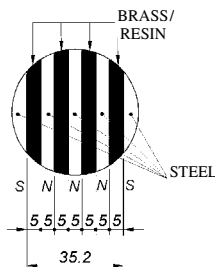
TFPO

TFP1

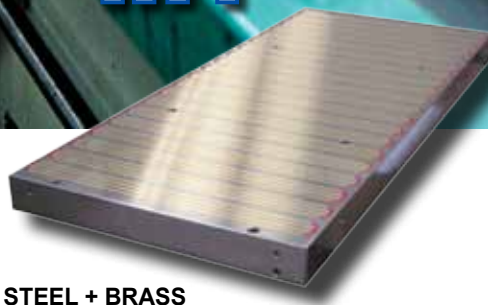
TPF

STEEL + RESIN
for various pieces with the maximum versatility.

*Polar pitch: 5 + 5 mm.
For medium size pieces with minimum thickness 5 mm.*

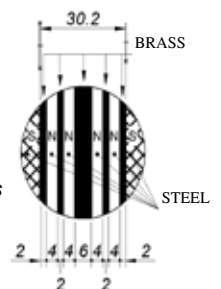


STEEL + BRASS
Full metallic surface to increase reliability and stability in time.



ULTRAFINE POLE
for better performance with small components.

High-concentrated polar pitch to clamp components with thicknesses starting from 2 mm.

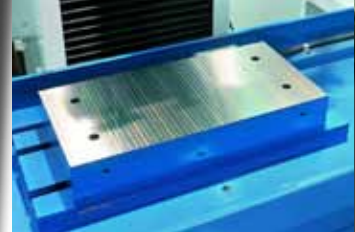
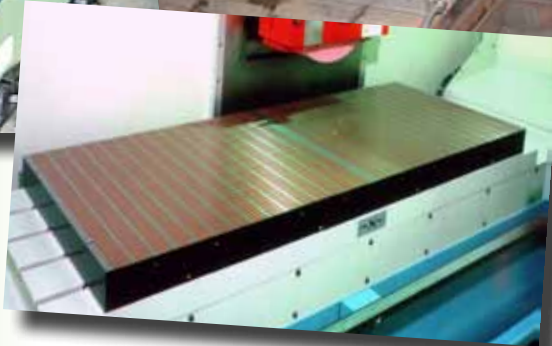
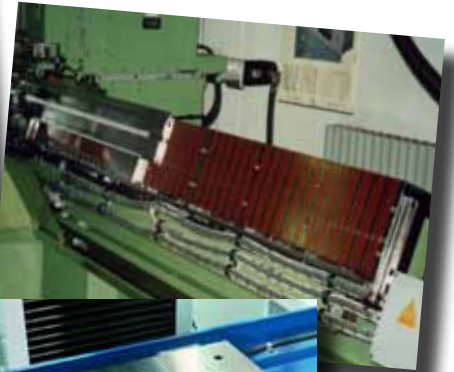


TECNOMAGNETE
Safety through power



MONOBLOCK FRAME

The frame of TFP chucks is machined from a solid block of steel, allowing unique rigidity and absolute stability over the time.



FIXING THROUGH HOLES

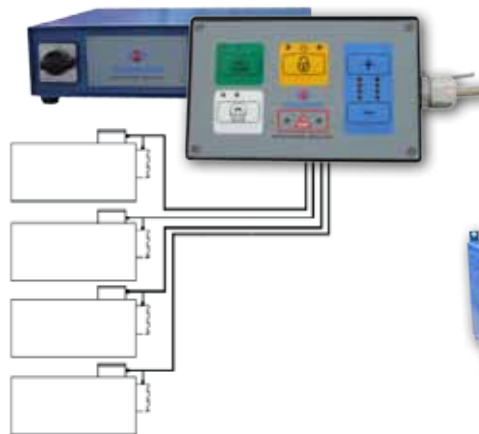
It's easy to install: just make some through holes to match with the "T" slots of the machine table. Multiple chucks can be coupled to compose large magnetic tables.

STANDARD DIMENSIONS TABLE

MODEL	TFP0 (mm)	TFP1 (mm)	TPF (mm)	Weight (kg)
1545	-	-	150x450	30
2040	-	-	20x400	30
2045	-	-	200x450	40
2050	-	-	200x500	40
2060	-	-	200x600	50
2075	-	-	200x750	60
2550	-	-	250x500	50
2560	-	-	250x600	60
305	300x500	300x500	300x500	60
306	300x600	300x600	300x600	70
307	300x700	300x700	300x700	80
309	300x900	300x900	300x900	110
310	300x1000	300x1000	300x1000	120
312	300x1200	300x1200	300x1200	140
405	400x500	400x500	-	80
406	400x600	400x600	400x600	100
407	400x700	400x700	-	110
408	400x800	400x800	400x800	130
410	400x1000	400x1000	400x1000	160
505	500x500	500x500	-	100
506	500x600	500x600	-	120
507	500x700	500x700	-	140
508	500x800	500x800	-	160
510	500x1000	500x1000	-	190
605	600x500	600x500	-	120
606	600x600	600x600	-	140
607	600x700	600x700	-	160
608	600x800	600x800	-	190
610	600x1000	600x1000	-	230

EXCLUSIVE NUFLUX SYSTEM

The control units are standard equipped with the patented "NUFLUX" system which allow to totally and automatically eliminate, during the demagnetization phase, any possible magnetic residual from the surface of the part, also with alloyed materials.



DIGITAL REMOTE CONTROL

A chip control all functions:

- Magnetizing and Demagnetizing cycles (1-2 sec.)
- Adjustment of the clamping force on 8 preselectable levels.
- Alarm signals.



QE version to be integrated to the electrical panel (as option)



Remote adaptor for connection between PLC / ST200R (as option)



CIRCULAR VERSION

All TFP are available in /C circular version, with standard diameters starting from 300mm

STANDARD SUPPLY SPECIFICATION

- Permanent-electro multivoltage magnetic chuck machined from solid block; thickness 51mm
- Waterproof junction box
- Electronic control unit ST200RB in "Basic" version with Nuflux system, UCS current detecting system, MSC machine safety connector and controller enable.
- Remote control for MAG/DEMAG cycles with 8 levels power regulator.
- 6m PVC cable with flexible water-proof sheath to the controller
- Power supply cable 4 m length (without connector).
- Instruction manual

Headquarters

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Safety through power

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