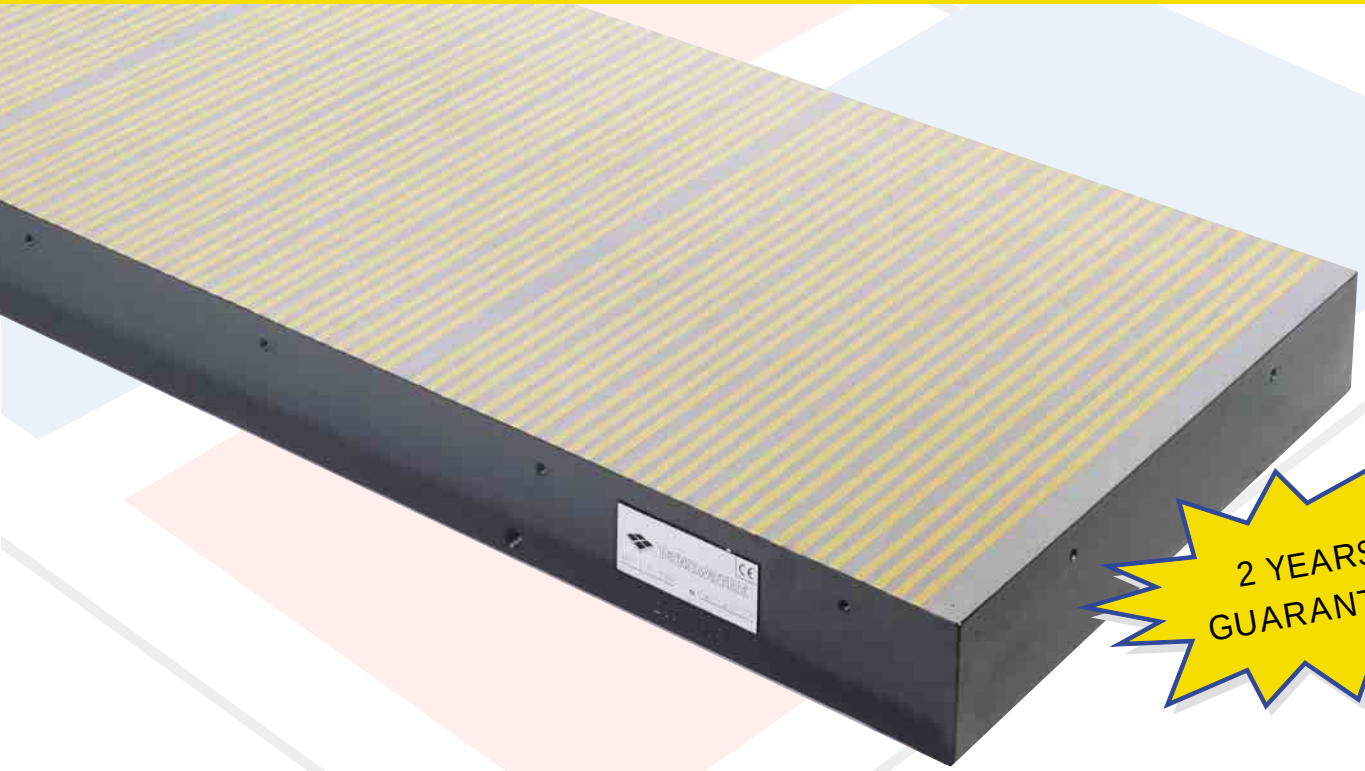
TFP1

NEW GRIND

Permanent-electro magnetic system with fine pole pitch for high precision grinders



2 YEARS GUARANTEE

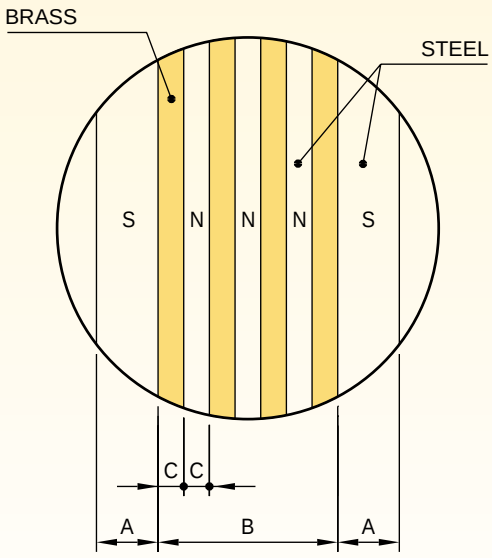
THE POWER OF EXPERIENCE

25 years of continuous improvements, a constant cooperation with the most important machine manufacturers and the guarantee of the worldwide leader Company in the magnetic workholding field are the TFP1 series background.
Tecnomagnete permanent-electro chucks offer power and flexibility, adapt to any type of grinding machine.

HIGH DENSITY POLARITY

The transversal fine pole pitch allows multiple and close magnetic paths with a very reduced flux short circuiting depth (5 mm), thus being able to generate a safe holding power for thin and small work pieces as well as for larger parts.

TFP1 MODULE



	A	B	C
mm	11÷15	35	5
in	0.43÷0.59	1.38	0.20

TOTALLY METALLIC AND ACTIVE SURFACE

The steel-brass combination on the whole surface assures excellent stability over time and a better possibility for high tolerances.
The totally active surface maximizes the performance of the machine. Since it is possible to position the parts freely without stops and a larger production rate will be achieved.

SAFE FORCE

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 dilatations or deformations.

TECNOMAGNETE

Safety through power

THROUGH FIXING HOLES

Through holes can be executed on the indirect poles in order to macth with the “T” slots of the machine table and to guarantee a perfect planarity by and an easy installation.
Multiple chucks can coupled to compose large magnetic tables.

MONOBLOCK STRUCTURE

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

ELECTRONIC CONTROL

The electronic control units are available in two versions:
- “AX” type controller for autonomous use.
- “QE” type controller which can be integrated to the electrical panel of the machine.

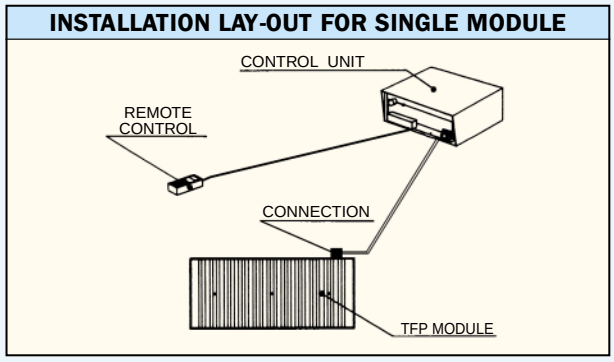
DIGITAL REMOTE CONTROL

Its functions, managed by a digital microprocessor, allows the control of the chuck from a distance such as:
- Magnetizing and demagnetizing cycles (1-2) sec.
- Adjustment of the anchoring power on 8 easily repeatable, pre-selectable levels.

NUFLUX SYSTEM

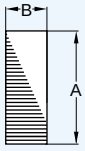
The control units are standard equipped with the patented “NUFLUX” system, which allow to totally and automatically eliminate, during the demagnetization phase, any possible magnetic residual from the surface of the part, with also alloyed materials.

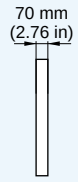
INSTALLATION LAY-OUT FOR SINGLE MODULE



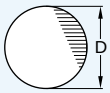
Standard Dimensions (nominal)

Mod. TFP1/R	A mm	A *in*	B mm	B *in*	Weight~ kg	Weight~ *lb*
204	200	*7.87*	400	*15.75*	40	*87*
205	200	*7.87*	500	*19.69*	49	*109*
206	200	*7.87*	600	*23.62*	59	*131*
305	300	*11.81*	500	*19.69*	74	*164*
306	300	*11.81*	600	*23.62*	89	*196*
308	300	*11.81*	800	*31.50*	119	*262*
310	300	*11.81*	1000	*39.37*	148	*327*
406	400	*15.75*	600	*23.62*	119	*262*
407	400	*15.75*	700	*27.56*	138	*305*
408	400	*15.75*	800	*31.50*	158	*349*
410	400	*15.75*	1000	*39.37*	198	*436*
412	400	*15.75*	1200	*47.24*	237	*523*
508	500	*19.69*	800	*31.50*	198	*436*
510	500	*19.69*	1000	*39.37*	247	*545*
610	600	*23.62*	1000	*39.37*	297	*654*





Mod. TFP1/C	D mm	D *in*	Weight~ kg	Weight~ *lb*
0400	400	*15.75*	35	*78*
0500	500	*19.69*	55	*122*
0600	600	*23.62*	80	*176*
0700	700	*27.56*	109	*240*
0800	800	*31.50*	142	*313*
1000	1000	*39.37*	222	*489*



a) The length of the standard connecting cables is 6 m
b) Fixing trough holes on request: “T” slot distance to be specified with the order

Safety through power

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