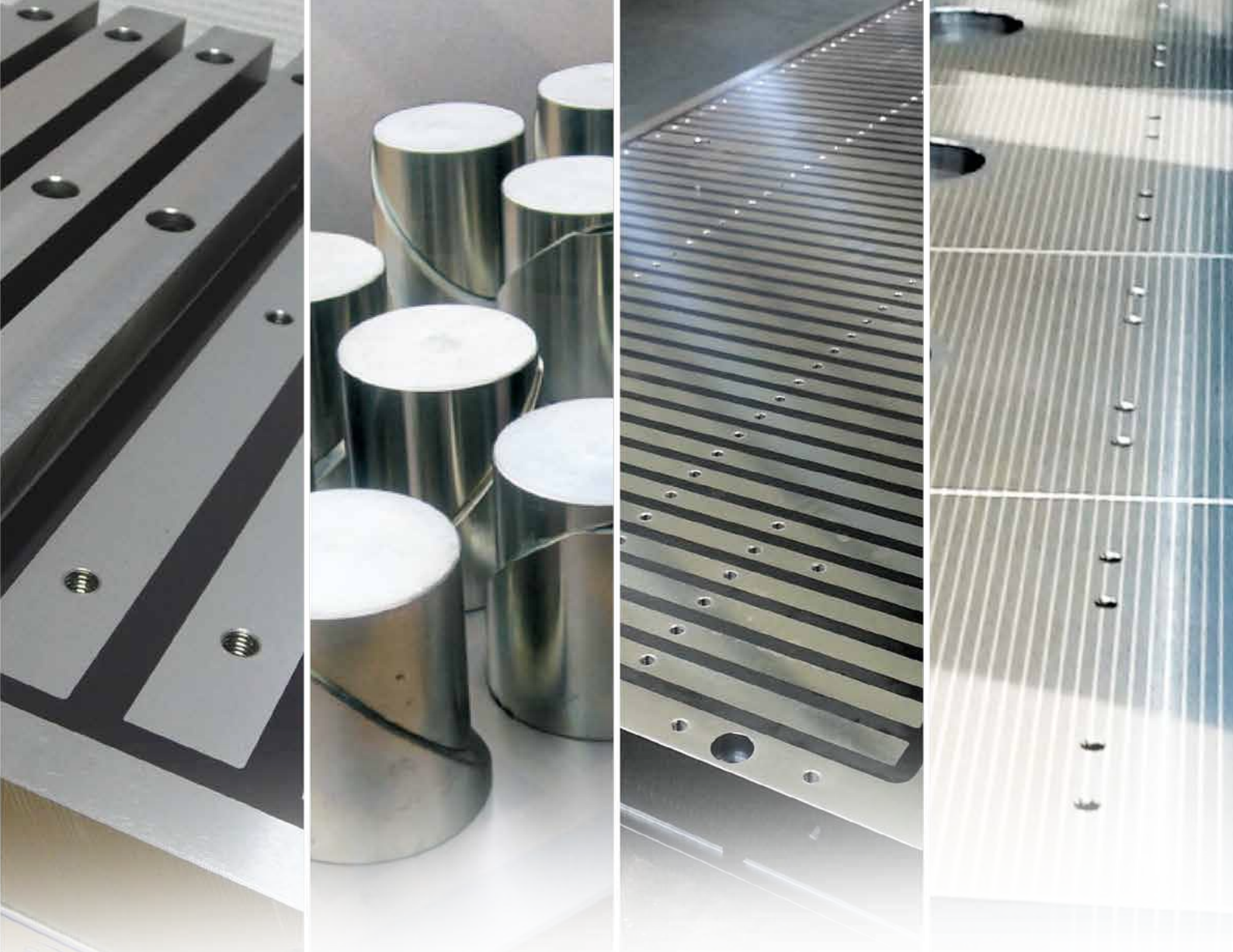


ELECTROPERMANENT MILLING

BRAILLON MAGNETICS

Designer and manufacturer magnetic systems Universal for industry

MAGNETIC APPLICATIONS
THE MOST DEMANDING

From unlocking the full potential of machine tools that that Mill or Grind steel surfaces with our magnetic workholding chucks, to using our magnetic Quick Mold change systems with high temperature capabilities. We excel in the precise magnetic clamping, lifting, and contactless handling of parts. Our expertise lies in seamlessly integrating magnetic systems into your industrial work flow, ensuring optimal performance. Additionally, we take pride in offering an extensive selection of magnetic accessories to cater to all your specific needs.

OUR COMPANY PROCESSING
INTERNAL EXPERT HANDLING

From the initial customer contact and technical-commercial exchanges to computer entry, engineering drawings, production launch, precise machining, and meticulous mechanical and electrical assemblies, we maintain strict control over every stage of our Product services and manufacturing. Our expertise extends to winding, manufacturing electronic control units, conducting thorough tests, and implementing stringent quality controls. We ensure each step is flawlessly executed, leading to exceptional preparation and packaging of our products.

STANDARD PRODUCTS
TO CUSTOM APPLICATIONS

For over a century, since 1921, Braillon Magnetics has stood alongside you with unwavering commitment in delivering a qualitative approach. We take pride in providing a comprehensive range of dependable systems, all meticulously designed by our experts.

We specialize in the precise workholding of mechanical, medical, aeronautical, and rail parts

Magnetic, hydraulic, mechanical and vacuum workholding solutions

Magnetic lifting and handling of parts

Complex demagnetization of parts

Magnetic sorting and filtration

100 ANS
AU SERVICE DE L'INDUSTRIE
BRAILLON MAGNETICS
1921 / 2021

QUALITY COMMITMENTS

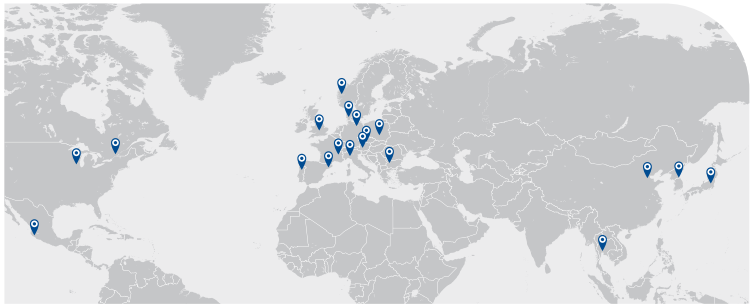
An unwavering commitment to product quality drives us to prioritize the careful selection and acquisition of raw materials. Your satisfaction is our top priority.

All subcontracting purchases are checked throughout the production of the product. Our subcontractors are regularly audited. We are committed to guaranteeing reliable products of great precision allowing quality and economical production.

CUSTOM SOLUTIONS

At BRAILLON MAGNETICS, our dedicated research and development team focuses on delivering tailor-made solutions that perfectly suit our customers' unique applications.

Our approach includes thorough technical and budgetary analyses, ensuring sustainable product quality and rapid profitability for the proposed solutions With expertise spanning over all magnetic technologies used in the industry, our engineers continuously innovate, develope cutting-edge products and applications. Since the 1950s, we have proudly secured several patents, offering our customers the assurance of successful outcomes.



INTERNATIONAL INFLUENCE

The innovation and quality of our products developed since 1921, have made our company one of the most recognized manufacturers in Europe, then quickly around the world. Today, we export more than 75% of our production worldwide. Braillon products are use»&»d throughout Europe, USA, Japan, central Europe, Latin America, Scandinavian countries, Asia ...

OUR LOCATIONS **PRODUCTION**

FRANCE

- 4000 m² of production and stock and 1000 m² of commercial offices and design offices.
- A modern machine park, 2000 x 1000 mm rectification capacity, milling capacity 2200 x 1500 mm, winding capacity, up to 250 kg, paint cabin, resin casting machine, control marble, etc.
- A stock managed daily, a quality control department, packaging and shipping.

GERMANY

- 500 m² of production hall built in 2020
- Modern installations: Induction welding, assembly, rectification ...

USA

- Commercial office
- Service
- Stock

ELECTROPERMANENT CHUCKS FOR MILLING

In 1963, Braillon Magnetics pioneered the revolutionary Electropermanent (EP) Magnetic Chuck, marking the inception of a technology that has continually evolved. Today, our EP technology boasts a remarkable range of robust and reliable magnetic chucks.

The TURBOMILL magnetic chucks are crafted from a single ultra-resistant steel block, these chucks offer unparalleled rigidity and exceptional magnetic efficiency. The result is a stable chuck geometry, an extended lifespan, and a fully waterproof construction. Through relentless research, employing the latest generations of powerful magnets, and advancing our Electro-Permanent magnetic circuits, Braillon Magnetics can handle even the most demanding milling applications.

The outcome? A remarkable increase in productivity, making your milling processes more efficient than ever before.

SAFETY

Rest assured, the clamping force remains secure even in the event of a power outage.

POWER

Design using the latest generations of magnets.

PRECISION AND RELIABILITY

Monoblock construction, no moving parts.

ENERGY EFFICIENT

No continuous energy consumption.

A COMPLETE PRODUCT LINE

TURBOMILL 18

Benefit from our chucks with our cutting-edge total demagnetization technology, which ensures an impressively low residual magnetism level after the demagnetization process.

Benefits
Total Demagnetization, Low Residual magnetism
Pole Pitch
18 mm steel, 10 mm of epoxy
Minimum parts dimensions
60 x 60 x 9 mm

TURBOMILL 25

Compensated system with high hodlding force and a reduced pole pitch allowing for milling of smaller dimension parts.

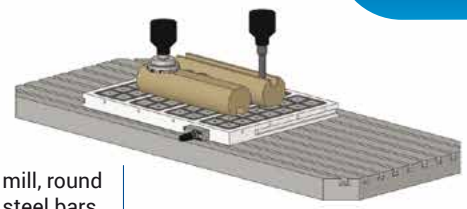
Benefits
Versatile system, flux concentration, reduced pole pitch
Pole Pitch
25mm steel, 12 mm of epoxy
Minimum parts dimensions
75 x 75 x 10 mm

TURBOMILL 40 B

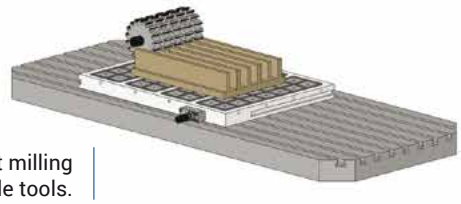
Compensated system with high hodlding force and a larger pole pitch allowing for heavy duty milling of larger dimension parts.

Benefits
Flux concentration, Resilient to big air gaps
Pole Pitch
40 mm steel, 16 mm of epoxy
Minimum parts dimensions
115 x 115 x 20 mm

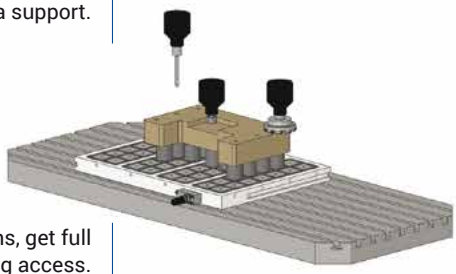
APPLICATIONS



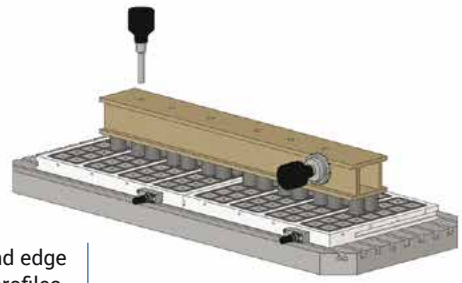
Machine and slot mill, round steel bars. Use pole extensions for extra support.



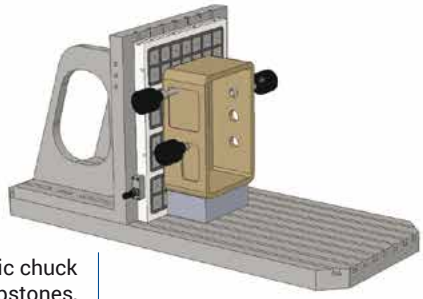
Slot milling with multiple tools.



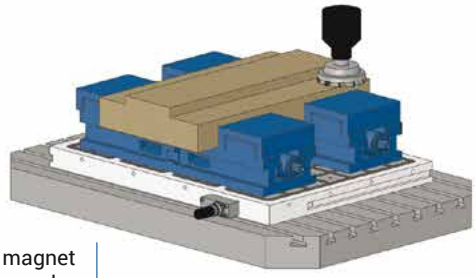
Use pole extensions, get full 5 side machining access. Face mill, edge mill and even through drill.



Through drill and edge mill steel profiles.



Install magnetic chuck on tombstones, for horizontal machining centers and palletizing.



Clamp a vise to the magnet within seconds. Perfect for your non magnetic parts.

TURBOMILL 50 SQ

A low-height magnetic field compensated system. Its impressive strength and effectiveness make it particularly suitable for handling rough and distorted parts with ease.

Benefits
Great for parts with lesser thickness
Pole Pitch
50 mm steel, 10 mm of epoxy or stainless steel
Minimum parts dimensions
110 x 110 x 10 mm

TURBOMILL 70 SQ

Our powerful compensated system is specifically designed for heavy milling work on thick parts, ensuring exceptional performance and reliability.

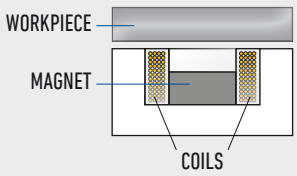
Benefits
High magnetic field, overcome large air gaps
Pole Pitch
70 mm steel, 14 mm of epoxy
Minimum parts dimensions
150 x 150 x 20 mm

Total demagnetization systems

Utilizing a brief electrical impulse for magnetization and a series of alternating polarity electrical pulses for demagnetization, the Turbomill 18 ensures a thorough demagnetization of both the chuck and the part.

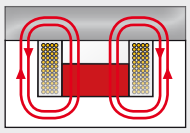
TURBOMILL 18

1 Demagnetized state



The magnets are not polarized.

2 Magnetization



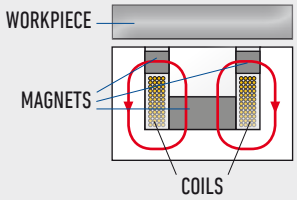
Power sent to the coils creates a magnetic field.
The magnetic field is maintained by the magnets.

Compensated systems

Magnetization and demagnetization using a single electrical impulse. The combination of short electric pulse magnets. The combination of neodymium magnets and alnico magnets allows you to reach the highest magnetic forces

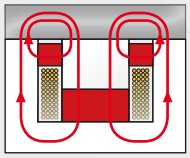
TURBOMILL 25 / 40 / 50SQ / 70SQ

1 Demagnetized state



The magnetic flux locks itself inside the chuck and the part is released and free.

2 Magnetization



By sending an electrical pulse to the coil. We change the magnetic direction of the ALNICO magnet.
his allows the magnetic flux to go through the part itself. The part is then held.
To release the part, we send an inverted electrical pulse to the coil that enables the polar direction to change.

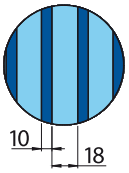
BRAILLON MAGNETICS' magnetic chucks eliminate the need for an electrical supply during machining, offering unparalleled convenience when paired with their unrestrained connectors, enabling seamless mobility, particularly in palletized machine applications.

To control the Turbomill magnetic chucks effectively, we have developed a dedicated range of control units, meticulously designed with high-quality electronic components to ensure exceptional reliability and efficiency.

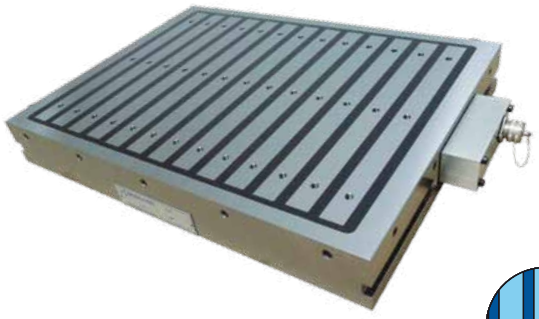
TURBOMILL 18

Pole Pitch

18 mm steel
10 mm of resin

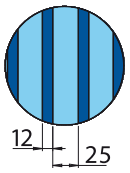


TURBOMILL 25



Pole Pitch

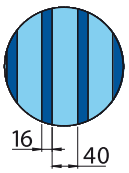
25 mm steel
12 mm resin

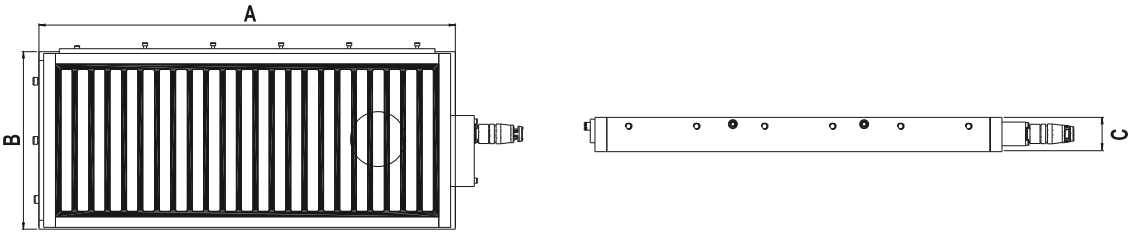


TURBOMILL 40 B

Pole Pitch

40 mm steel
16 mm resin





Reference	Weight in Kg	A	B	C	Nbr of poles
10.31.18.310300	49,0	310	300	85	9
10.31.18.480300	72,0	480	300	85	15
10.31.18.480400	93,0	480	400	85	15
10.31.18.480500	115,0	480	500	85	15
10.31.18.590300	87,0	590	300	85	19
10.31.18.590400	113,0	590	400	85	19
10.31.18.590600	166,0	590	600	85	19
10.31.18.650600	181,0	650	600	85	21
10.31.18.700300	102,0	700	300	85	23
10.31.18.700400	133,0	700	400	85	23
10.31.18.700500	164,0	700	500	85	23
10.31.18.760300	110,0	760	300	85	25
10.31.18.760400	144,0	760	400	85	25
10.31.18.880400	165,0	880	400	85	29
10.31.18.880500	203,0	880	500	85	29

Reference	Weight in Kg	A	B	C	Nbr of poles
10.31.18.990300	142,0	990	300	85	33
10.31.18.990400	185,0	990	400	85	33
10.31.18.990500	228,0	990	500	85	33
10.31.18.990600	271,0	990	600	85	33
10.31.18.1200300	170,0	1200	300	85	41
10.31.18.1200400	222,0	1200	400	85	41
10.31.18.1200500	274,0	1200	500	85	41
10.31.18.1200600	326,0	1200	600	85	41
10.31.18.1200800	429,0	1200	800	85	41
10.31.18.1390400	256,0	1390	400	85	47
10.31.18.1390500	316,0	1390	500	85	47
10.31.18.1500300	211,0	1500	300	85	51
10.31.18.1500400	276,0	1500	400	85	51
10.31.18.1500500	340,0	1500	500	85	51
10.31.18.1790800	634,0	1790	800	85	61

TURBOMILL 18 Ref. 10.31.18	
Force by pole	135 N/cm²
Acceptable top surface wear	5 mm
Power supply	340 VDC
Magnetic field height	10 mm

Other sizes available on request
High holding power / Heavy duty and waterproof construction

Reference	Weight in Kg	A	B	C	Nbr of poles
10.32.25.395300	61,0	395	300	70	9
10.32.25.395400	81,0	395	400	70	9
10.32.25.469300	72,0	469	300	70	11
10.32.25.469400	95,0	469	400	70	11
10.32.25.543300	83,0	543	300	70	13
10.32.25.543400	110,0	543	400	70	13
10.32.25.617300	94,0	617	300	70	15
10.32.25.617400	124,0	617	400	70	15
10.32.25.691300	105,0	691	300	70	17
10.32.25.691400	139,0	691	400	70	17
10.32.25.765300	116,0	765	300	70	19
10.32.25.765400	153,0	765	400	70	19
10.32.25.839300	126,0	839	300	70	21
10.32.25.839400	168,0	839	400	70	21
10.32.25.839500	210,0	839	500	70	21

Reference	Weight in Kg	A	B	C	Nbr of poles
10.32.25.987300	148,0	987	300	70	25
10.32.25.987400	197,0	987	400	70	25
10.32.25.987500	197,0	987	500	70	25
10.32.25.987600	295,0	987	600	70	25
10.32.25.987800	392,0	987	800	70	25
10.32.25.1209400	241,0	1209	400	70	31
10.32.25.1209500	300,0	1209	500	70	31
10.32.25.1209600	360,0	1209	600	70	31
10.32.25.1357400	270,0	1357	400	70	35
10.32.25.1357500	337,0	1357	500	70	35
10.32.25.1357600	404,0	1357	600	70	35
10.32.25.1505400	299,0	1505	400	70	39
10.32.25.1505500	373,0	1505	500	70	39
10.32.25.1505800	596,0	1505	800	70	39
10.32.25.1653500	410,0	1653	500	70	43

TURBOMILL 25 Ref. 10.32.25	
Force by pole	165 N/cm²
Acceptable top surface wear	5 mm
Power supply	340 VDC
Magnetic field height	12 mm

Other sizes available on request
High holding power / Heavy duty construction

Reference	Weight in Kg	A	B	C	Nbr of poles
10.32.40.346300	59,0	346	300	80	5
10.32.40.458300	77,0	458	300	80	7
10.32.40.458400	101,0	458	400	80	7
10.32.40.570300	95,0	570	300	80	9
10.32.40.570400	126,0	570	400	80	9
10.32.40.570500	156,0	570	500	80	9
10.32.40.682300	113,0	682	300	80	11
10.32.40.682400	150,0	682	400	80	11
10.32.40.682500	185,0	682	500	80	11
10.32.40.682600	222,0	682	600	80	11
10.32.40.794300	131,0	794	300	80	13
10.32.40.794400	174,0	794	400	80	13
10.32.40.794500	215,0	794	500	80	13
10.32.40.1018300	167,0	1018	300	80	17

Reference	Weight in Kg	A	B	C	Nbr of poles
10.32.40.1018400	222,0	1018	400	80	17
10.32.40.1018500	275,0	1018	500	80	17
10.32.40.1018600	330,0	1018	600	80	17
10.32.40.1242300	203,0	1242	300	80	21
10.32.40.1242400	270,0	1242	400	80	21
10.32.40.1242500	335,0	1242	500	80	21
10.32.40.1242600	402,0	1242	600	80	21
10.32.40.1466400	318,0	1466	400	80	25
10.32.40.1466500	395,0	1466	500	80	25
10.32.40.1466600	474,0	1466	600	80	25
10.32.40.1466800	629,0	1466	800	80	25
10.32.40.1690400	366,0	1690	400	80	29
10.32.40.1690500	455,0	1690	500	80	29
10.32.40.1690800	725,0	1690	800	80	29

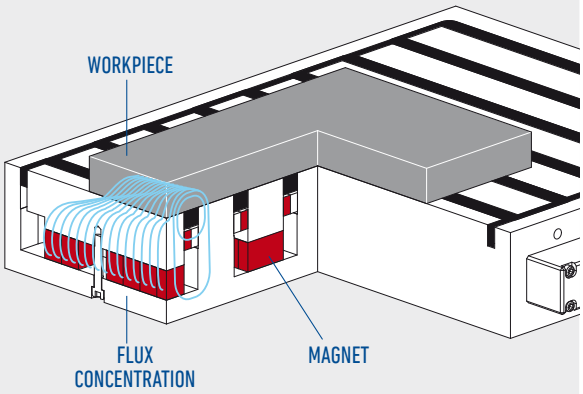
TURBOMILL 40 B Ref. 10.32.40	
Force by pole	170 N/cm²
Acceptable top surface wear	5 mm
Power supply	340 VDC
Magnetic field height	15 mm

Other sizes available on request
High holding power / Heavy duty construction

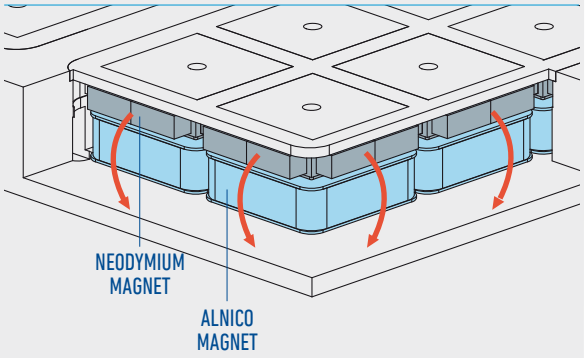
Magnetic flow concentration

The BRAILLON MAGNETICS system stands out other electropermanent systems by its unique design that promotes the concentration of the magnetic flux.

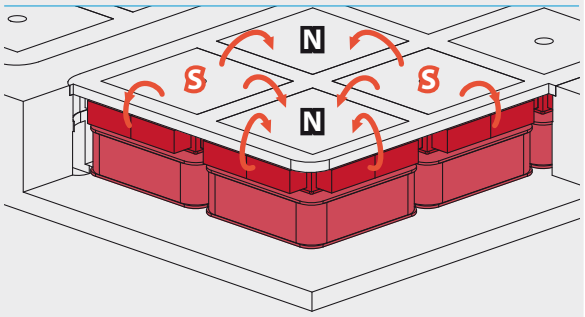
It allows to reach forces of attraction particularly high, which can go beyond 17kg/cm².



1 Demagnetized state



2 Magnetization

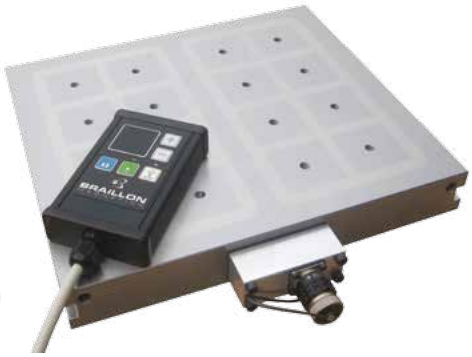


TURBOMILL 50 SQ

Resin airgaps

Pole Pitch

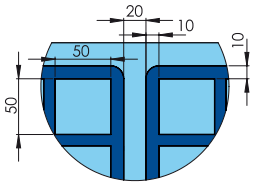
50 mm steel
10 mm resin



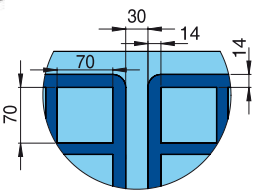
Stainless steel airgaps

Pole Pitch

50 mm steel
10 mm stainless steel



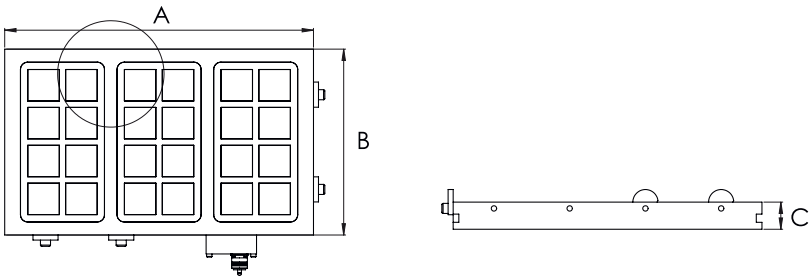
TURBOMILL 70 SQ



Resin airgaps

Pole Pitch

70 mm steel
14 mm resin



Reference	Weight in Kg	A	B	C	Nbr of poles
10.33.50.SQ1.320320	30,0	320	320	43	16
10.33.50.SQ1.490295	44,0	490	295	43	24
10.33.50.SQ1.490420	63,0	490	420	43	36
10.33.50.SQ1.490475	71,0	490	475	43	42
10.33.50.SQ1.490575	86,0	490	575	43	48
10.33.50.SQ1.640295	58,0	640	295	43	32
10.33.50.SQ1.640420	83,0	640	420	43	48
10.33.50.SQ1.640475	93,0	640	475	43	56
10.33.50.SQ1.640575	113,0	640	575	43	64
10.33.50.SQ1.795295	71,0	795	295	43	40
10.33.50.SQ1.795420	102,0	795	420	43	60
10.33.50.SQ1.795475	116,0	795	475	43	70
10.33.50.SQ1.795575	140,0	795	575	43	80
10.33.50.SQ1.950295	95,0	950	295	43	48
10.33.50.SQ1.950420	122,0	950	420	43	72
10.33.50.SQ1.950475	137,0	950	475	43	84
10.33.50.SQ1.950575	168,0	950	575	43	96

Resin airgaps

TURBOMILL 50 SQ1 - Ref. 10.33.50.SQ1

Force by pole	400 daN
Acceptable top surface wear	4 mm
Power supply	340 VDC
Magnetic field height	10 mm

Reference	Weight in Kg	A	B	C	Nbr of poles
10.33.50.SQ3.320320	30,0	320	320	43	16
10.33.50.SQ3.490295	44,0	490	295	43	24
10.33.50.SQ3.490420	63,0	490	420	43	36
10.33.50.SQ3.490475	71,0	490	475	43	42
10.33.50.SQ3.490575	86,0	490	575	43	48
10.33.50.SQ3.640295	58,0	640	295	43	32
10.33.50.SQ3.640420	83,0	640	420	43	48
10.33.50.SQ3.640475	93,0	640	475	43	56
10.33.50.SQ3.640575	113,0	640	575	43	64
10.33.50.SQ3.795295	71,0	795	295	43	40
10.33.50.SQ3.795420	102,0	795	420	43	60
10.33.50.SQ3.795475	116,0	795	475	43	70
10.33.50.SQ3.795575	140,0	795	575	43	80
10.33.50.SQ3.950295	95,0	950	295	43	48
10.33.50.SQ3.950420	122,0	950	420	43	72
10.33.50.SQ3.950475	137,0	950	475	43	84
10.33.50.SQ3.950575	168,0	950	575	43	96

Stainless steel airgaps

TURBOMILL 50 SQ3 - Ref. 10.33.50.SQ3

Force by pole	400 daN
Acceptable top surface wear	4 mm
Power supply	340 VDC
Magnetic field height	10 mm

BRAILLON MAGNETICS

Other sizes available on request

High holding power / Heavy duty construction / Waterproof construction

Reference	Weight in Kg	A	B	C	Nbr of poles
10.33.70.SQ.240240	30,0	240	240	66	4
10.33.70.SQ.450240	56,0	450	240	66	8
10.33.70.SQ.450330	77,0	450	330	66	12
10.33.70.SQ.450410	95,0	450	410	66	16
10.33.70.SQ.670240	83,0	670	240	66	12
10.33.70.SQ.670330	114,0	670	330	66	18
10.33.70.SQ.670410	142,0	670	410	66	24
10.33.70.SQ.670500	173,0	670	500	66	30
10.33.70.SQ.670620	214,0	670	620	66	36
10.33.70.SQ.880240	109,0	880	240	66	16
10.33.70.SQ.880330	150,0	880	330	66	24
10.33.70.SQ.880410	186,0	880	410	66	32
10.33.70.SQ.880500	227,0	880	500	66	40
10.33.70.SQ.880620	281,0	880	620	66	48
10.33.70.SQ.1090240	135,0	1090	240	66	20
10.33.70.SQ.1090330	185,0	1090	330	66	30
10.33.70.SQ.1090410	230,0	1090	410	66	40
10.33.70.SQ.1090500	281,0	1090	500	66	50
10.33.70.SQ.1090620	348,0	1090	620	66	60

Resin airgaps

TURBOMILL 70 SQ - Ref. 10.33.70.SQ

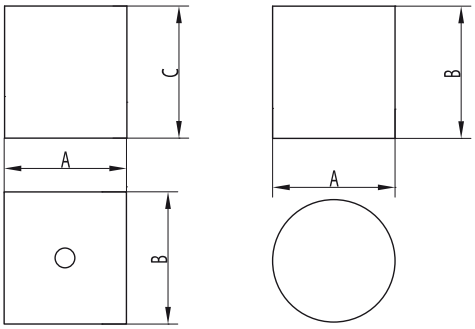
Force by pole	780 daN
Acceptable top surface wear	4 mm
Power supply	340 VDC
Magnetic field height	10 mm

BRAILLON MAGNETICS

FIXED AND MOBILE POLE EXTENSIONS

Available for TURBOMILL 40, 50 SQ and 70 SQ, the sliding poles enable quick and efficient “shimming” of the workpiece by automatically adjusting to the part imperfections. These sliding poles can accommodate workpiece deformations of up to 5 mm, while also elevating the piece to allow tool clearance on five sides. For optimal results, it’s essential to use the sliding poles in conjunction with three fixed mobile riser poles that establish the workpiece’s reference plane.

Both the sliding and fixed poles can be easily positioned on the TURBOMILL chucks using centering pins (TM 40) or an integrated central screw (TM 50-SQ). This streamlined process allows for swift modular modifications to the arrangement of poles on the magnetic plate.

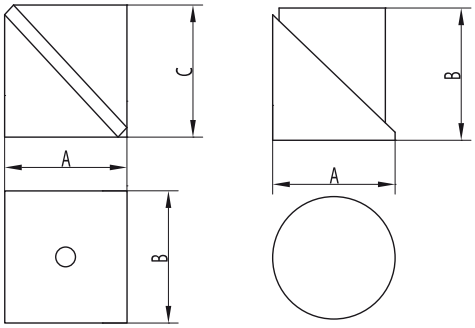


FIXED POLE

Reference	Weight in Kg	A	B	C
10.32.99.405054F	0,7	40	50	54
10.33.99.505032F	0,45	50	50	32
10.33.99.D5052F	0,5	Ø 50	52	
10.33.99.D5025F	0,3	Ø 50	25	
10.33.99.D70F	1	Ø 70	60	

BRAILLON MAGNETICS

Heavy duty & compact construction

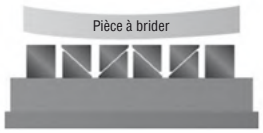


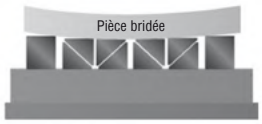
MOBILE POLE

Reference	Weight in Kg	A	B	C
10.32.99.405054M	0,7	40	50	54
10.33.99.505032M	0,45	50	50	32
10.33.99.D50M	0,5	Ø 50	52	
10.33.99.707060M	1,2	70	70	60

BRAILLON MAGNETICS

Heavy duty & compact construction





10.33.99.D5052F

10.33.99.D50M

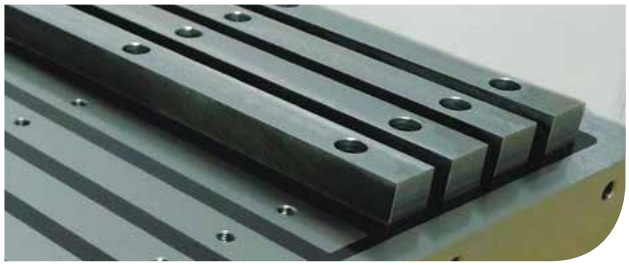
10.33.99.505032F

10.33.99.505032M

10.32.99.405054F

10.32.99.405054M

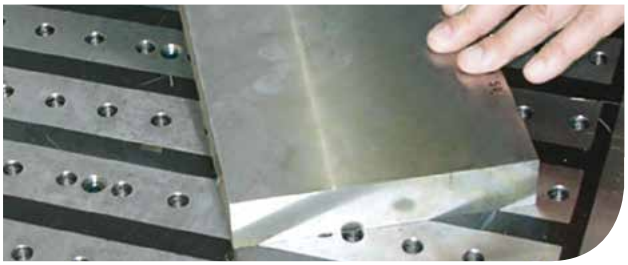
LONGITUDINAL RISER POLES



Riser pole offer great utility, especially for small production series. This cost-effective solution elevates the workpiece, preventing any damage to the magnetic chuck's surface caused by through drilling or milling.

For larger production series, customized riser poles/ blocks can be crafted to ensure swift and precise positioning, enabling rapid loading and unloading of the parts with utmost efficiency.

AIR BLOWING SYSTEMS

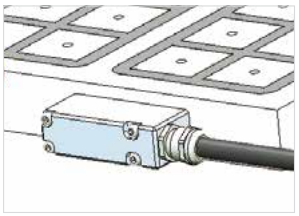


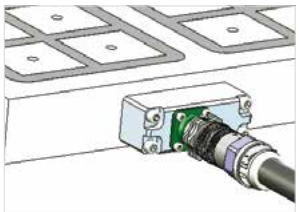
Enhance the chuck's functionality by incorporating a network of air blowing holes on its surface. These strategically placed air holes enable seamless integration with your compressed air source, making part positioning on the tray remarkably effortless. Think of it as your own industrial air hockey table, no puck, just parts.

PIN POSITIONERS

Custom through holes for table clamping can be made on request according to the distance between the slots of the machine table. Allowing for a clean and precise install of several chucks on a large table.

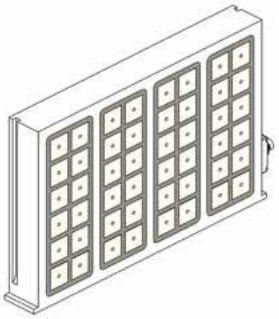
CUSTOM LOCATION OF THE CABLE CONNECTOR





BRAILLON MAGNETICS can customize the connection box and cable setup to your specific needs.

10.33.EQ SQUARE POLE SQUARE



Allows for a workpiece to be positioned vertically. Ideal for machining centers.

10.33.TWIN 2 MAGNETIC SIDES

The twin module is active on both the top and bottom surfaces. This allows the workpiece to be positioned on the table according to the toolpaths. high flexibility.

10.33.99 RISER

Custom risers for TURBOMILL 50 SQ chuck. Raises the parts and allows for simple 5 face machining (great for contouring, through drilling, etc.)

CONTROL UNIT AND REMOTE CONTROL DESIGNED AND MANUFACTURED 100% BY BRAILLON MAGNETICS

CONTROL UNIT ENGINEERED FOR ELECTRO-PERMANENT AND ELECTROMAGNETIC CHUCKS

BRAILLON MAGNETICS control units are the result of many years of research and experience. They make it possible to take full advantage of electro-permanent and electromagnetic technology with a proven reliability.

MANAGEMENT OF MULTIPLE SIZE CHUCKS

The same type of control unit can be configured in different ways in order to control magnetic chucks of different sizes, up to 4 different chucks.

OPERATE DIFFERENT DESIGNS AND BRANDS

All BRAILLON MAGNETICS control units incorporate a microprocessor capable of saving several programs. This enables the operation of magnetic chucks or lifting magnets of different designs and from other manufacturers: both electro-permanent systems and electromagnetic systems.

TOTAL DEMAGNETIZATION

Demagnetization cycles are optimized for each type of magnetic chuck. It is also possible to customize them on request using a USB key. Up to 10 different programs can be saved.

MACHINE INTERFACE

All BRAILLON MAGNETICS control units integrate an interface allowing them to command and control the magnetic chucks from the PLC machine. Output security data is available to check the correct operation of the magnetic system.

OFFSITE REMOTE ASSITANCE

The new MC 20- BRAILLON MAGNETICS electronic card allows our technicians to make a remote diagnosis in the event of a possible malfunction or in order to improve the configuration of the control unit. Example: improvement of demagnetization according to customer parts.

ADJUSTING SETTINGS BY USB KEY

The USB key integrated on the MC 20 card not only allows you to configure the control unit, but also to save all the information (history and errors). The key can also be used to modify the parameters in order to improve the functions of a magnet: the magnetism, the residual magnetism, the demagnetization time as well as the functions of the control unit.

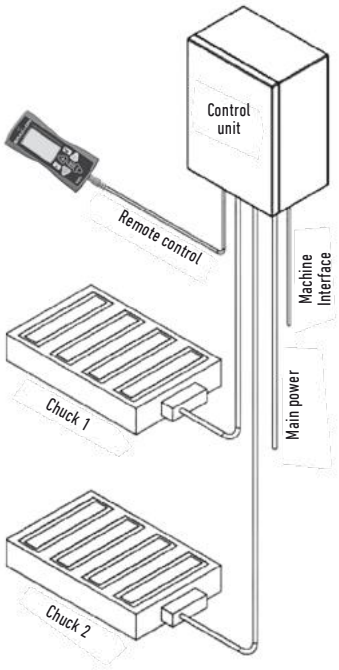
CONTROL UP TO 8 MAGNETIC CHUCKS

BRAILLON control units allow you to control several electro-permanent magnetic chucks at the same time. For example, a iBUR-80 control unit will allow you to control up to 8 Magnetic chucks.

T 20

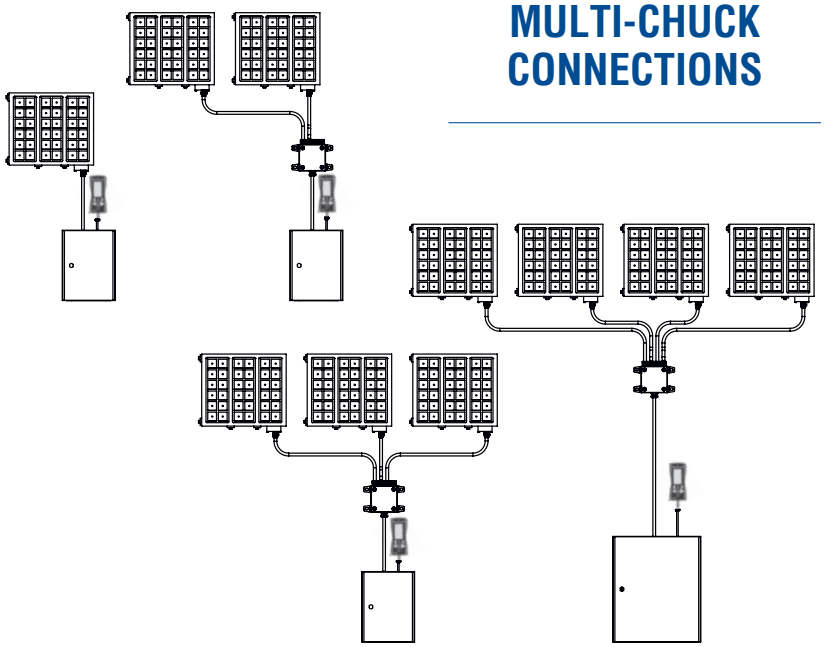
The remote control new generation

- In depth information
- Optimized communication between chuck and control unit
- Clear diagnostics
- Ergonomic design



Sample of a control unit with 2 chucks

MULTI-CHUCK CONNECTIONS



CONNECTION BOX FOR MULTIPLE CHUCKS

50.12.2D/3D/4D.TM50

CUSTOM CABINETS

REMOTE CONTROL T20

Easy setting the minimum threshold required for machine authorization

Precise adjustment of the magnetic force

Backlit display

Save up to 10 demagnetization programs

Choice of languages

Saved History

REMOTE CONTROL T20S

Simple remote control for basic requirements. Magnetize and Demagnetize with a safety validation.

Dimensions: 140x70x30mm thick.

Magnetic back for easy placement on machine

Cable length available in 5 or 10 Meters

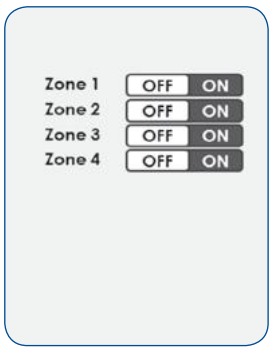
HMI INTERFACES

For specific cases that have a large number of chucks and require the ability to select multiples; BRAILLON MAGNETICS can develop a personalized control solution

T20 REMOTE CONTROL SCREENS

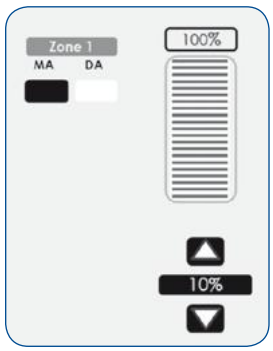
HISTORY OF COMPLETED ACTIONS

Using the T20 remote control, will also allow you to check the last 10 actions carried out. With the integrated USB key it is also possible to read all actions that have been carried out.



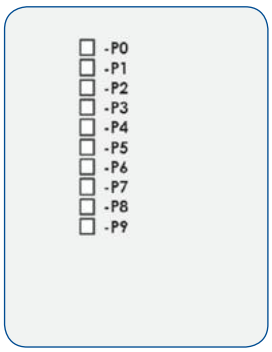
CONTROL UP TO 4 WORK ZONES

The new MC 20 allows you to control up to 4 zones. It is possible to choose them one after the other.



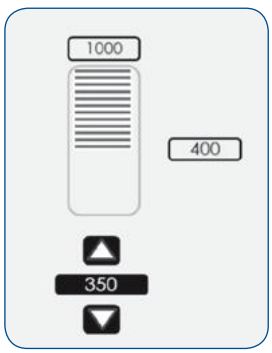
VARIABLE MAGNETIZATION

Equipped with the new remote control type T20, the control units allow you to adjust the magnetic chuck and lifting magnet holding force with high precision. The MC 20 card also allows you to control the variation of the force by a BCD code.



UP TO 10 PROGRAMS SAVED

It is now possible to save up to 10 different programs. For example: personalized programs to demagnetize different parts.

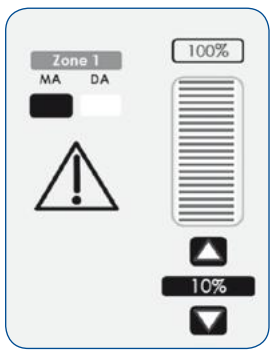


SETTING THE MINIMUM FORCE THRESHOLD FOR MACHINE START SAFETY

Set a low or high threshold setting by entering a chosen value. This allows the machine to safely start only when the minimum threshold force has been met.

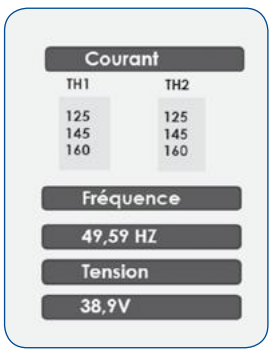
7 LANGUAGES

The display on the remote control T20 is available in 7 languages: French, German, English, Italian, Spanish, Polish and Japanese.



VARIATION OF DESCENDING STRENGTH

As an option, only for electro-permanent systems, it is possible to deliver the control unit with a descending variation.



CONTROL

Automatic display for reading current and current measurement of the thyristors
Frequency display and the voltage of the MC 20.

OPTIONS CONTROL UNIT

SPECIAL VOLTAGES
On request, from 200 to 480 VAC.

RADIO REMOTE CONTROL
This option makes the remote pendant wireless.

FOOTSWITCH REMOTE CONTROL This makes the control unit hands free.

QMC EUROMAP INTERFACE
This provides standardized signals for quick mould change applications.

COOLING SYSTEM
Available for warm environments.

PARKING SOCKET
Prohibits the start of the machine, if the cable is plugged into the magnetic chuck: Turning or paletizing applications.

TEMPERATURE MANAGEMENT

AND TOOLS DETECTION
for press applications.

CONTROL UNIT ON GROUNDSTEEL BOARD

CONTROL UNIT IN CABINET
(OPTION)

REMOTE CONTROL T20 ACCESSORIES

Handle
Holding magnet
Rubber protection

iBUR-S10
CONTROL UNIT USED FOR SMALL MAGNETIC CHUCKS
up to 950 x 420 mm

REF. 51.01.iBUR-S10
Integrated controls on the cabinet.
Dimensions: 240 x 200 x H 130 mm
Option: Magnetic mounting kit allowing the box to be placed on any ferromagnetic surface
REF. 51.01.iBUR-S10.KITFIX

Brands

MAGNETIC PRODUCTS

PRECISION DEVICES

VACUUM SYSTEMS

QUALITY CONTROL TOOLS

In 2021, BRAILLON MAGNETICS purchased the LOCKER brand.

Group

BRAILLON MAGNETICS

MANUFACTURE OF MAGNETIC SYSTEMS, DEMAGNETIZATION EQUIPMENT AND FILTRATION SYSTEMS

NICOLAS ÉLECTRONIQUE

DEVELOPING AND MANUFACTURING OF ELECTRONIC AND ELECTRICAL PARTS FOR CONTROLLERS

BRAILLON USA

SALES FOR THE AMERICAS (NORTH, CENTRAL & SOUTH)

BMS ALLEMAGNE

SALES FOR GERMANY, AUSTRIA & SWITZERLAND

MANUFACTURER OF LIFTING MAGNETS AND PRECISION DEVICES

BMS FRANCE

ENGINEERING OF VACUUM SYSTEMS.

ENGINEERING OF PERMANENT MAGNETS.

SUPPLIER OF ELECTROMAGNETIC SOLENOIDS AND ACTUATORS

100 YEARS

SERVING YOUR INDUSTRY

1921 / 2021

www.braillon.com

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