

The logo for FREM MAX is displayed within a black rectangular box with a white border. The word "FREM MAX" is written in a bold, italicized, yellow sans-serif font. Below it, the words "CARBON +" are written in a smaller, white, spaced-out sans-serif font.

FREM MAX

C A R B O N +

**THERE'S A NEW BRAKE DISC
IN TOWN - POWERED BY
FREM MAX BRAKES**

Introducing the new brake discs, drums and brake pads
line

THE STRUCTURE

A Foundry with two independent floors.

Having a fully automated system for preparing and feeding of the oven, made up of an overhead crane , electromagnets and loading carts.

The area is equipped with an electric induction oven and a "Cold Box" molding system.

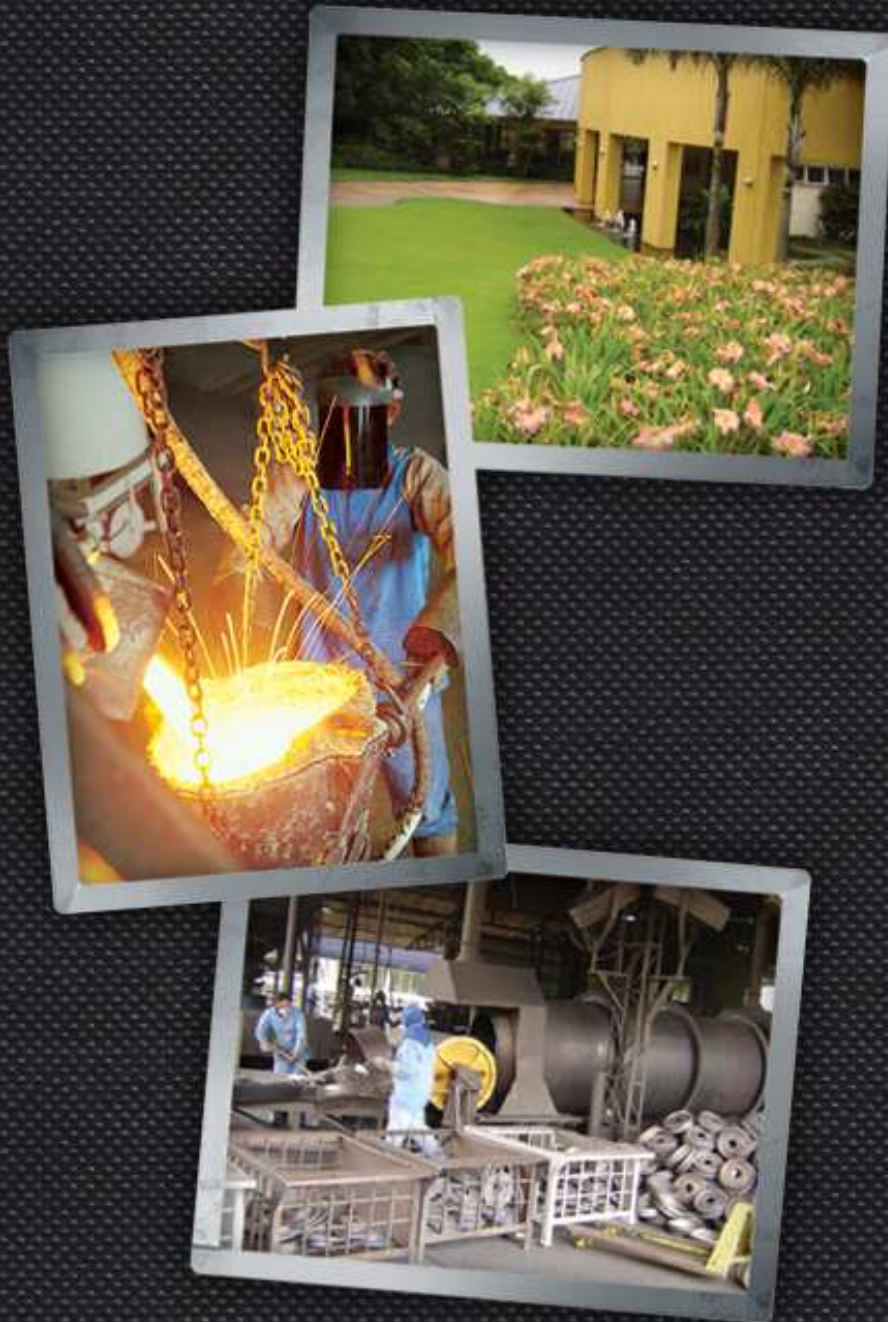
Fully automatic Machining, equipped with the latest generation of CNC lathes, conventional lathes and multiple drills.

150.000m² Total area

6.000m² Foundry area

900m² Machining area

13.000m² Total constructed area



New Machining Plant



Concept Concept of Mini factories



- Separation by mini factories aims to market segmentation and families of different parts, with significant productivity gains, since operations that do not add value.

Improvement of the planning of the factory.

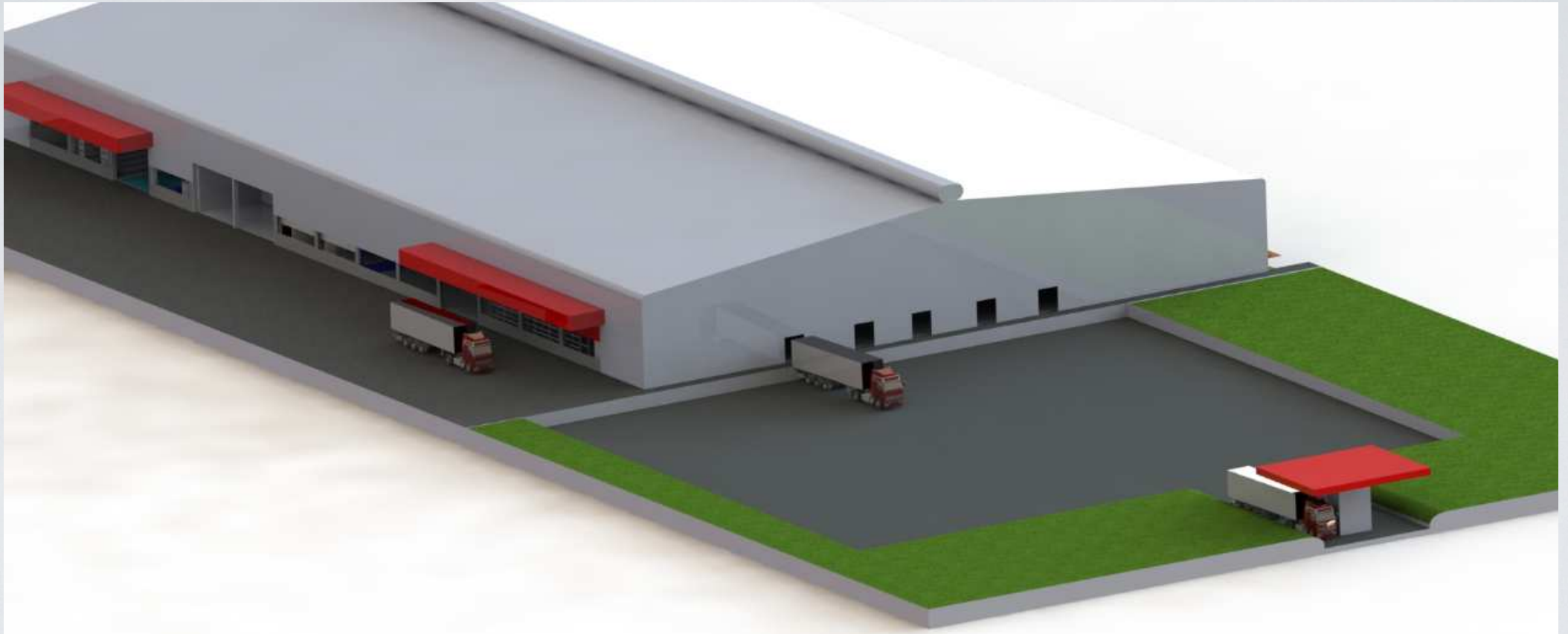
Reduced setup times.

Initially will reduce 2 people per shift, with a reduction of 6 people in the total picture.

Note: We believe that this reduction in the QLP (Table Personnel Capacity) will be even greater over time.

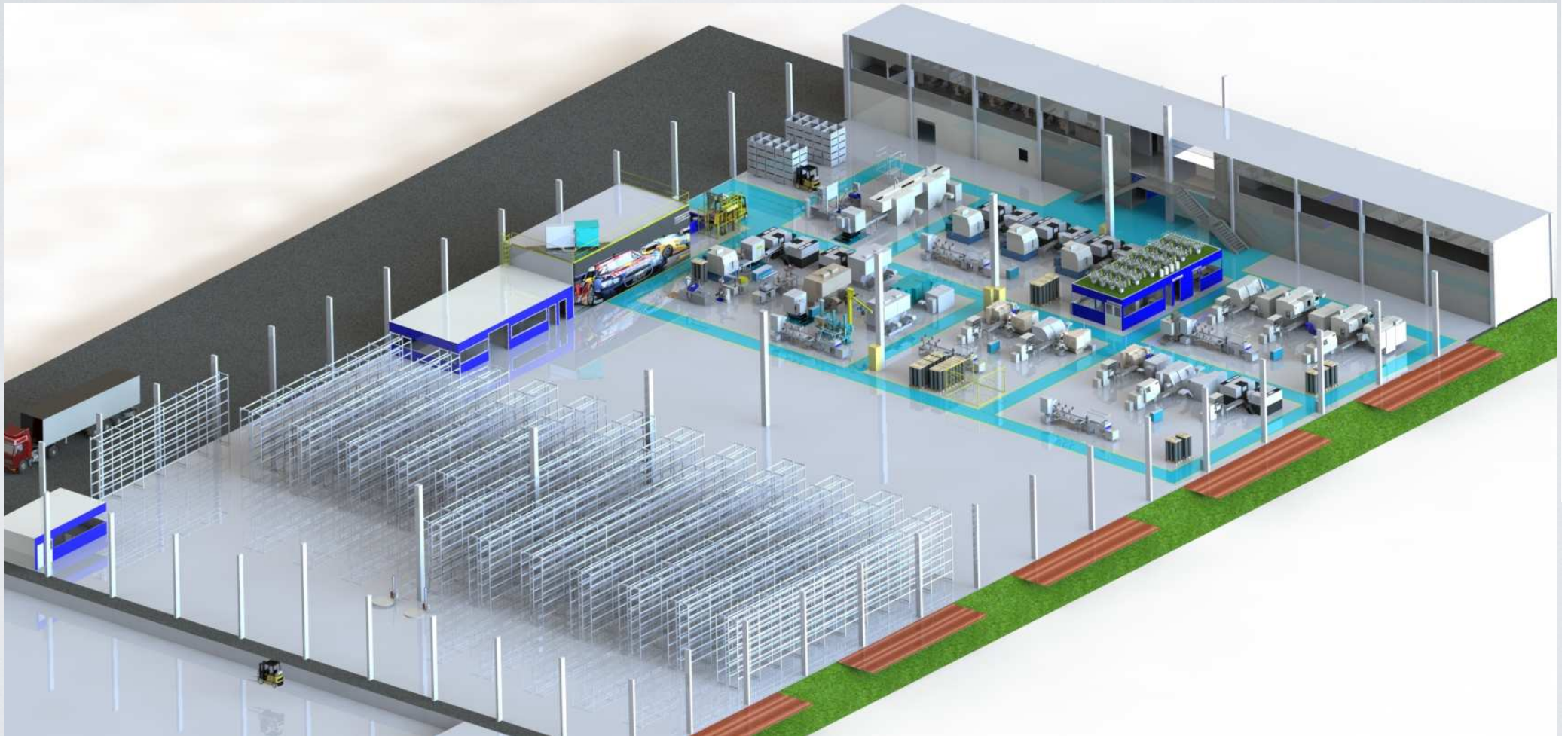


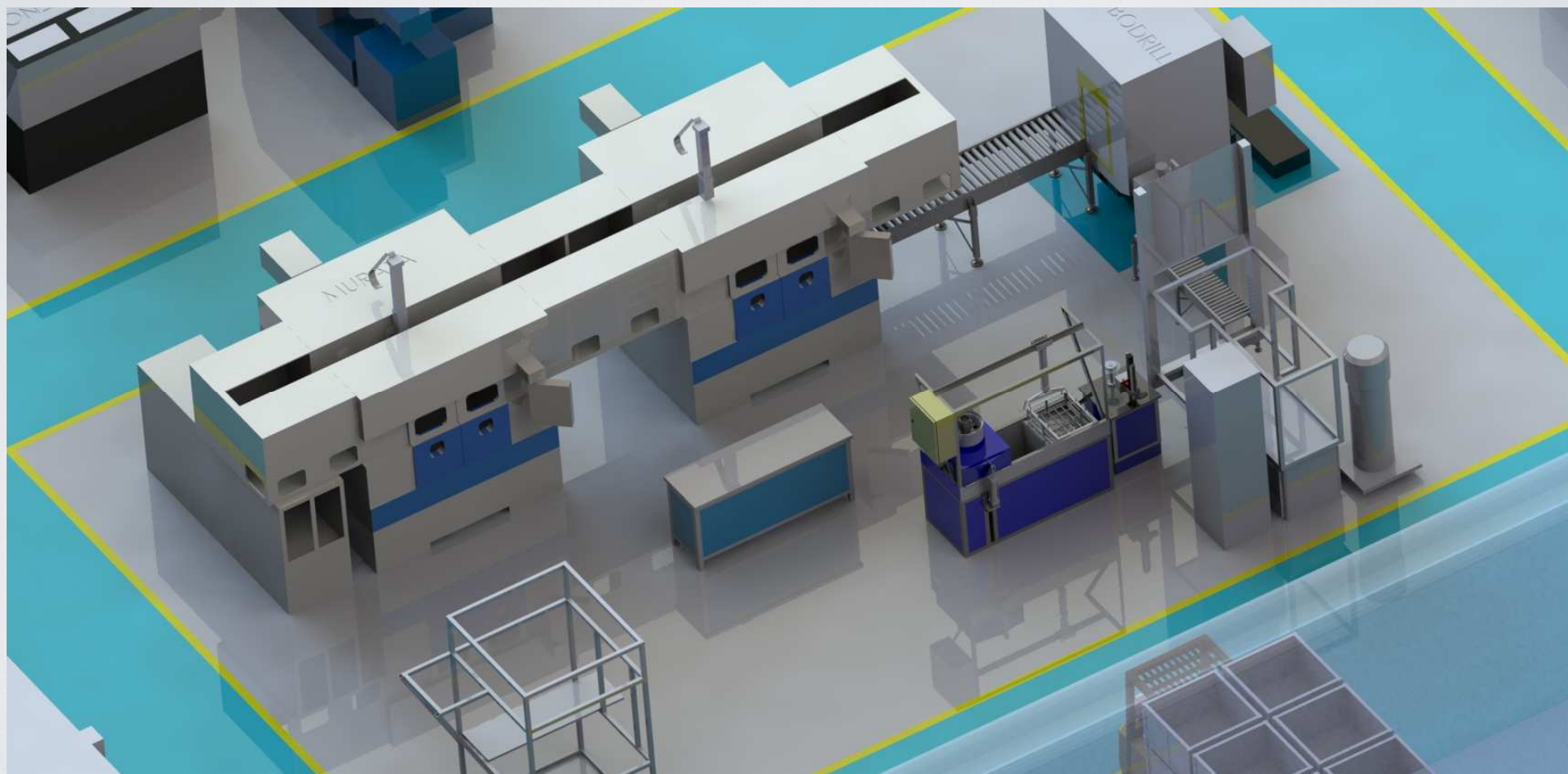
External Overview





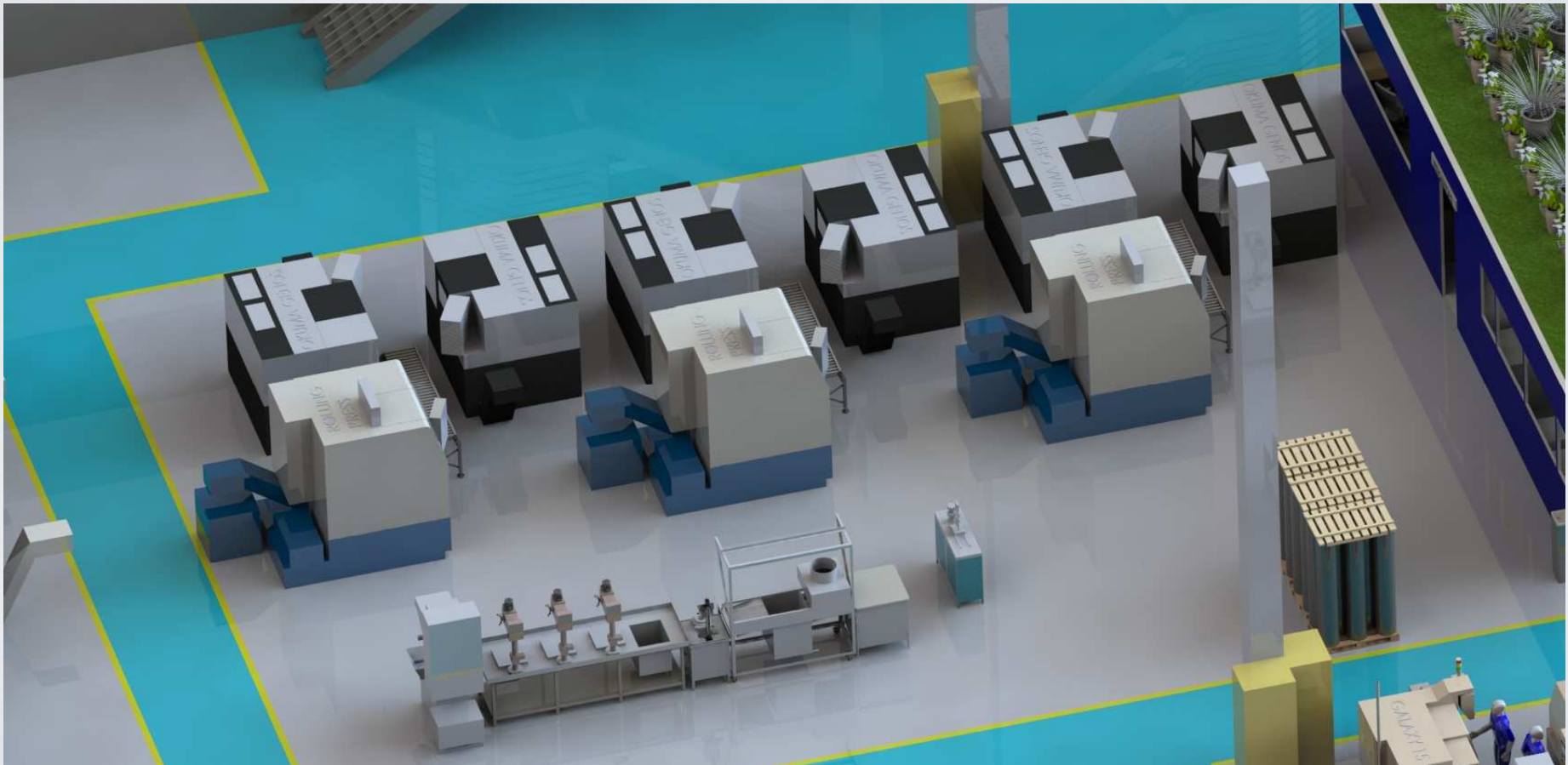
The Internal Overview





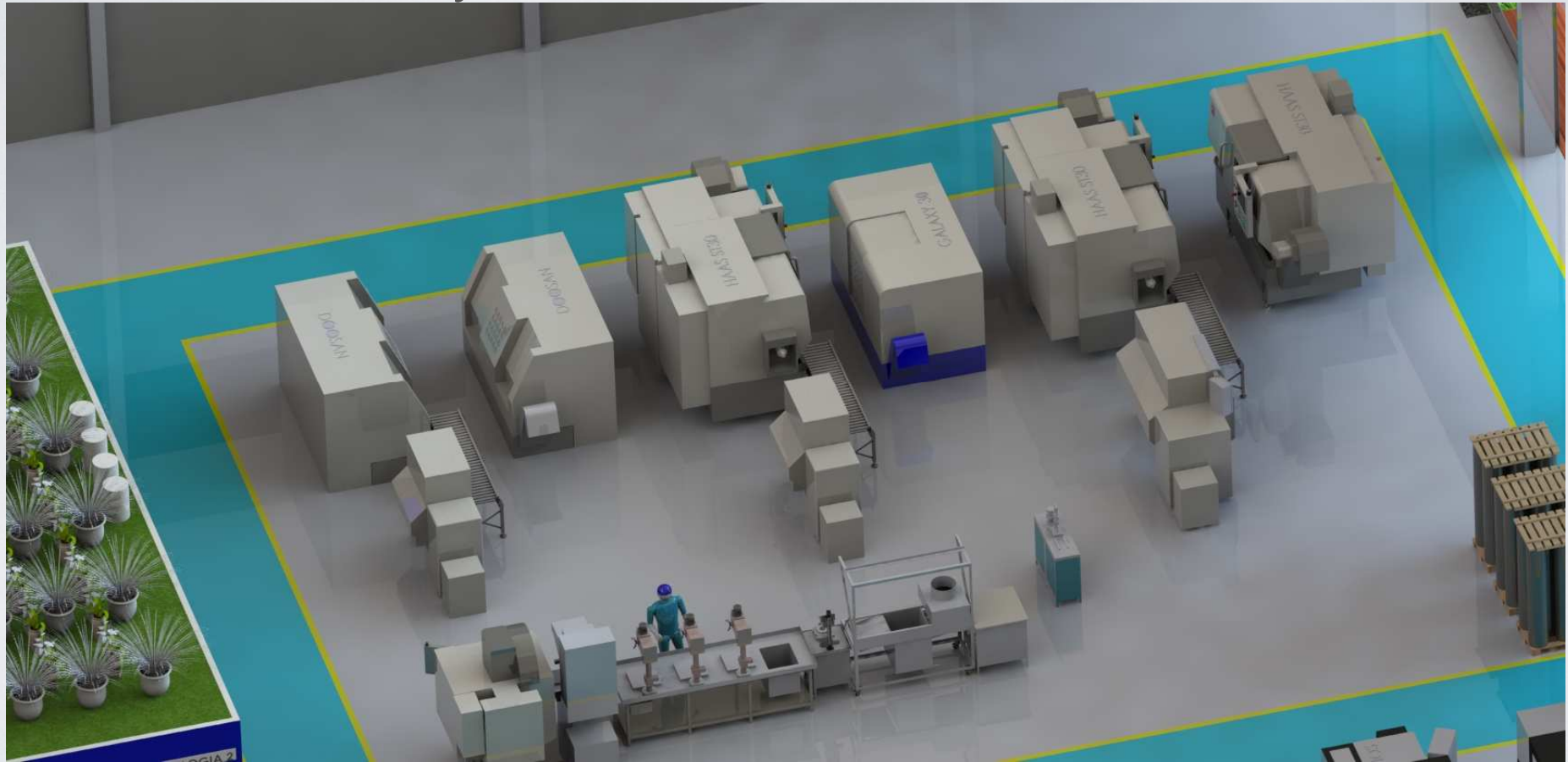


Mini Factory B - Disc Production Between 280 and 350 mm diameter with no drilling for the IAM market.



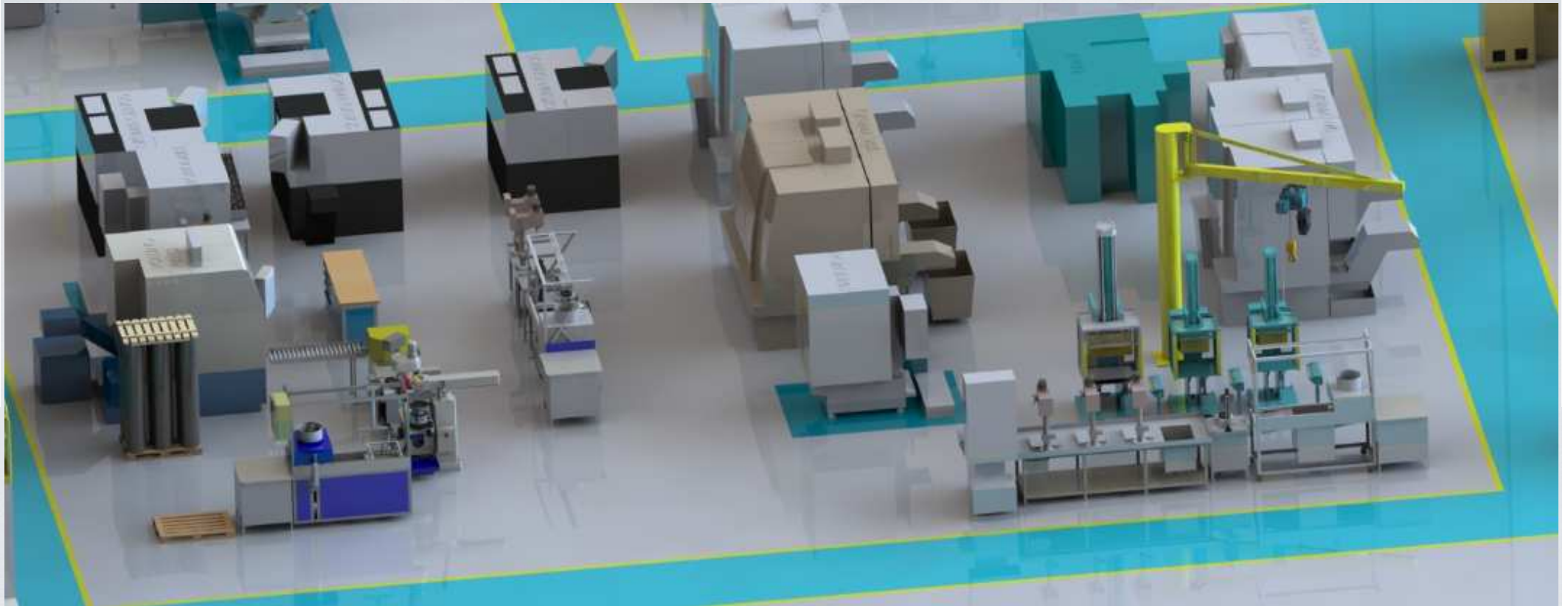


Mini Factory C- Disc Production 280-350 mm.



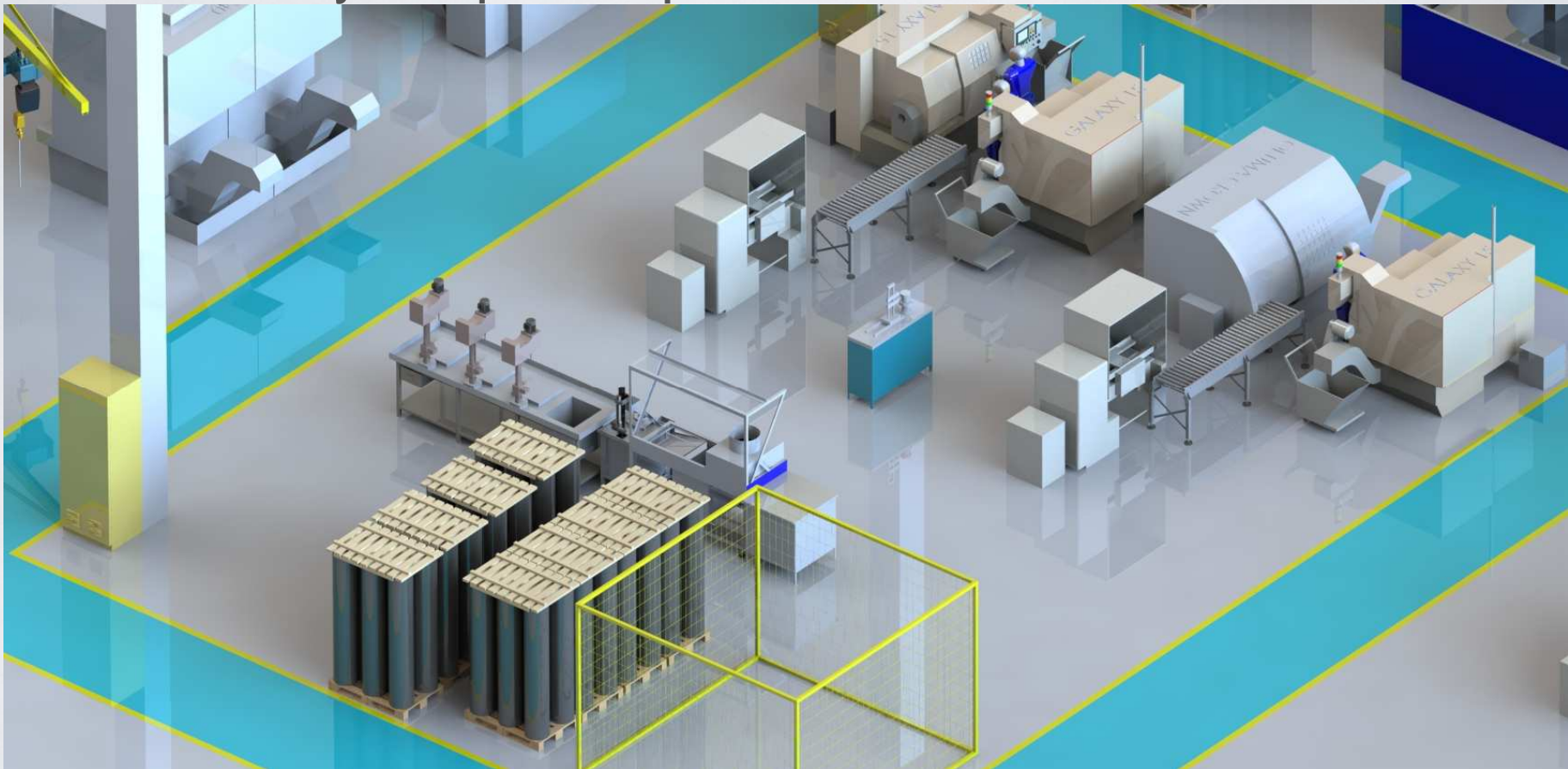


Mini Factory D - OEM parts production and OES parts and components with diameters up to 400mm.

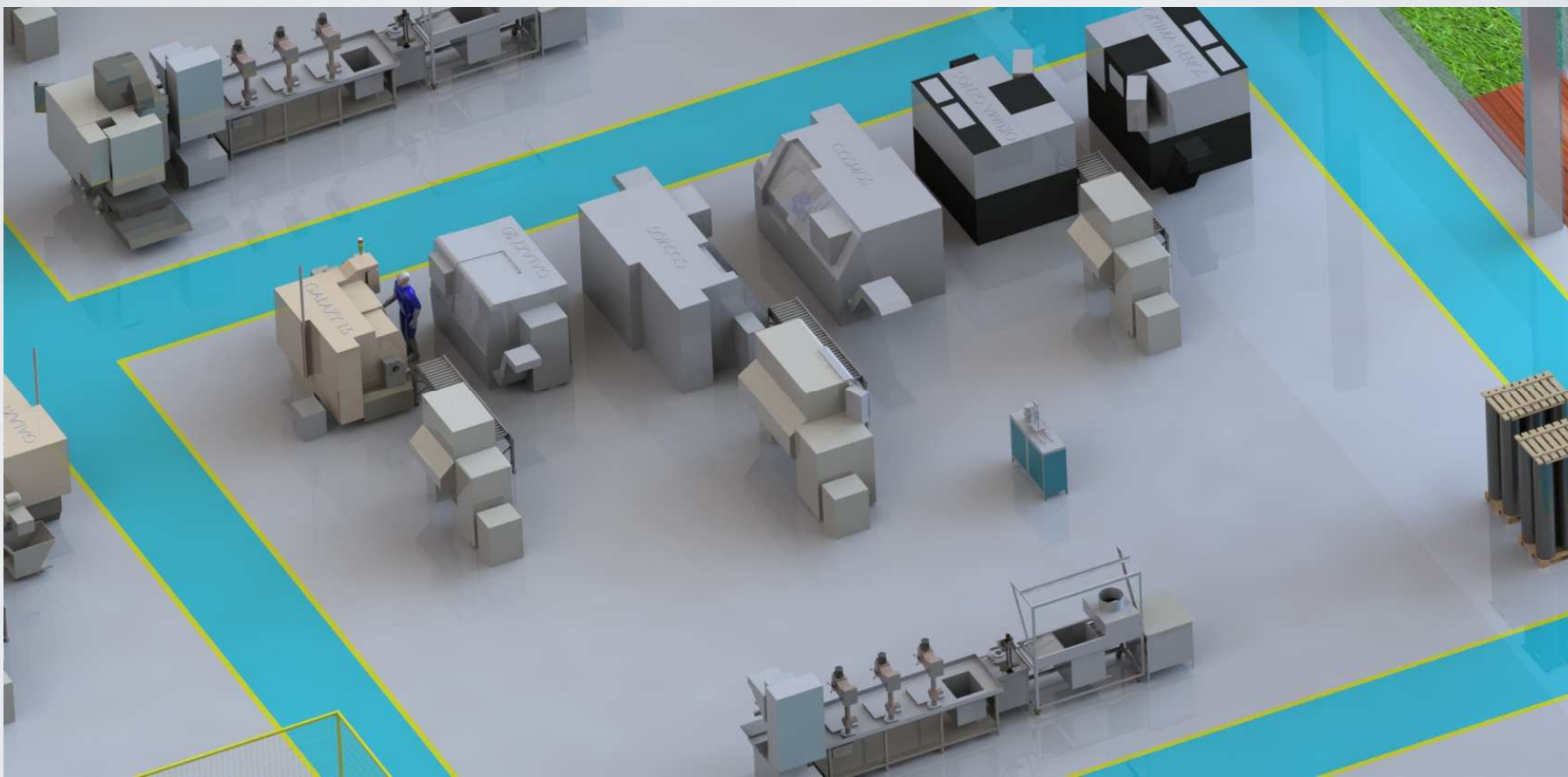


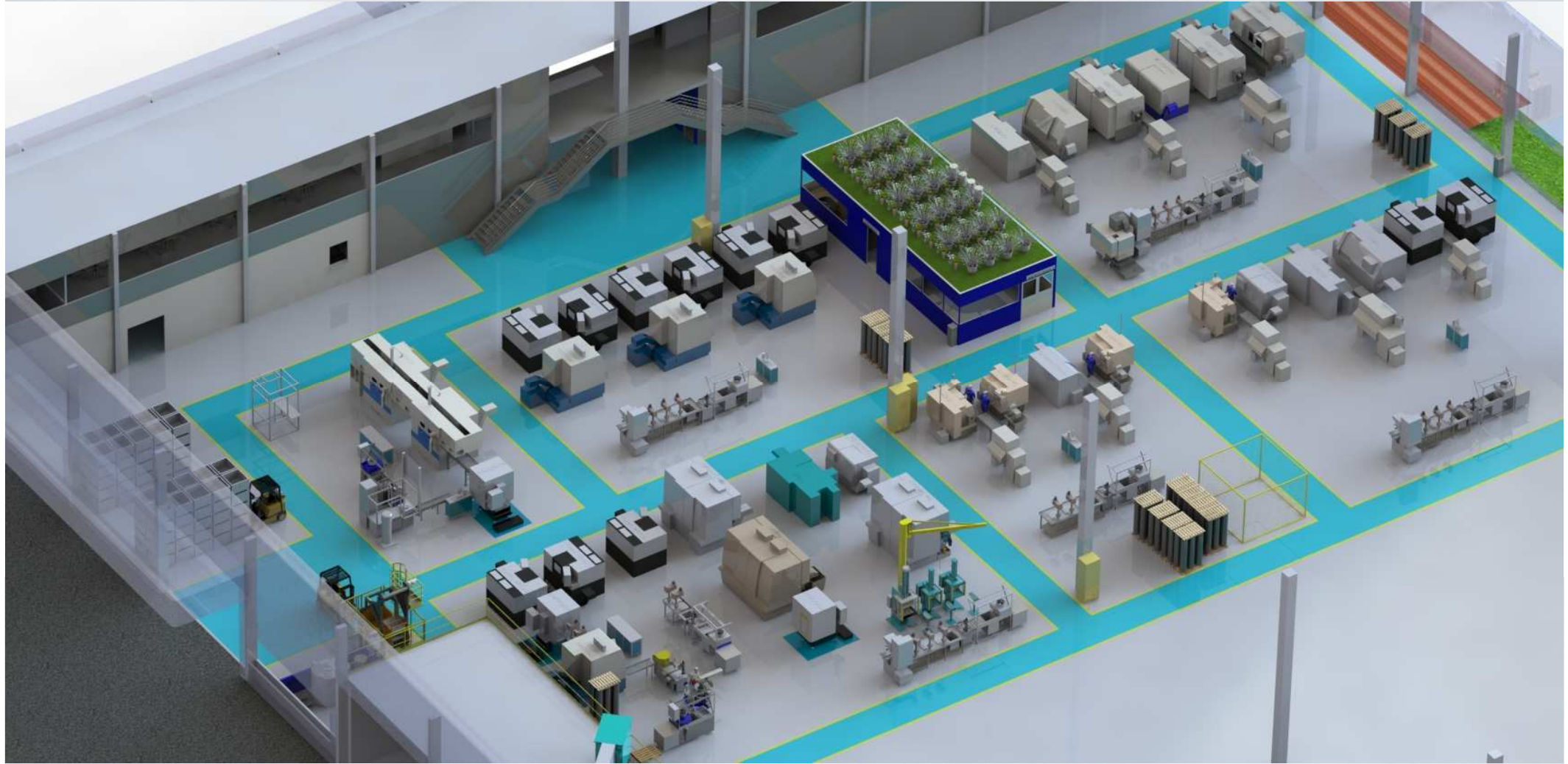


Mini Factory E - parts up to 260 mm for the IAM market.



FREMAX
CARBON+





FREMAX
CARBON⁺



PROGRAMA
SAÚDE E SEGURANÇA

FREMAX
CARBON⁺

FREMAX
CARBON+



PROGRAMA
SAÚDE E SEGURANÇA

FREMAX
CARBON+



YOUR IMAGE IS IMPORTANT

Be different and Boost your sales through our unique round plastic box



**EASY TO
HANDLE**

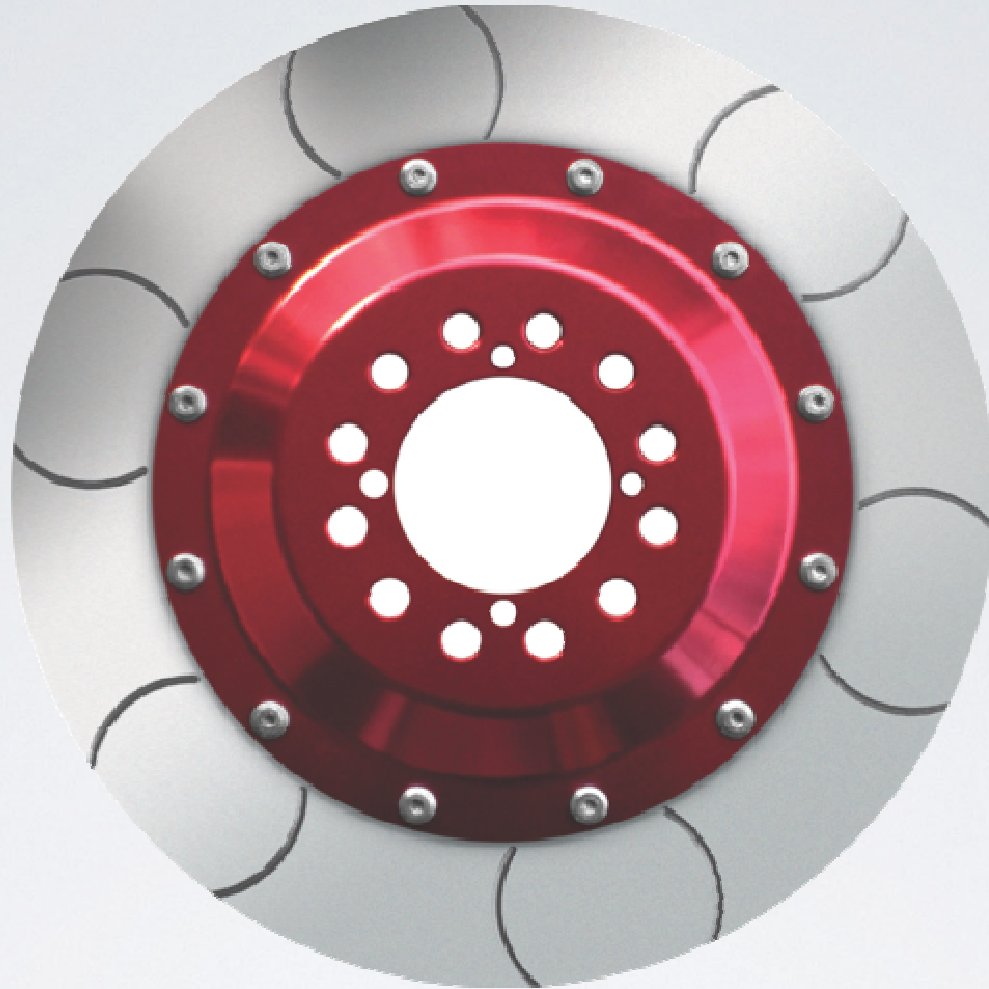
smart vacuum
closing system
- you may open
and close
anytime

**SMART
STORAGE**

stackable
without
damages and
improves your
logistic
performance

**SUSTAINABL
E**

Unique round
plastic packaging
made of 100%
recyclable material



THINKING INSIDE THE BOX



ORIGINAL MANUFACTURER

In the last 15 years, Fremax has been chosen by "Mitsubishi Motors Brasil" to be the OEM supplier for Discs and Drums.

ORIGINAL EQUIPMENT SERVICES (OES)



PREMIUM QUALITY



ISO 9001 - SINCE DECEMBER 1999
ISO TS 16949 - SINCE DECEMBER 2003

READY
TO GO



SAVE TIME AND MONEY

Faster do assemble because wash up is not necessary -
excellent friction rate from the beginning.



STOP AND GO

Grooves applied to the finishing of the braking area of the disk.

REDUCE "BRAKE IN"

(Disk brake pad seating time)

ELIMINATE THE "CLUTCH" PHENOMENON

(that causes noise and vibration when applying the brakes)



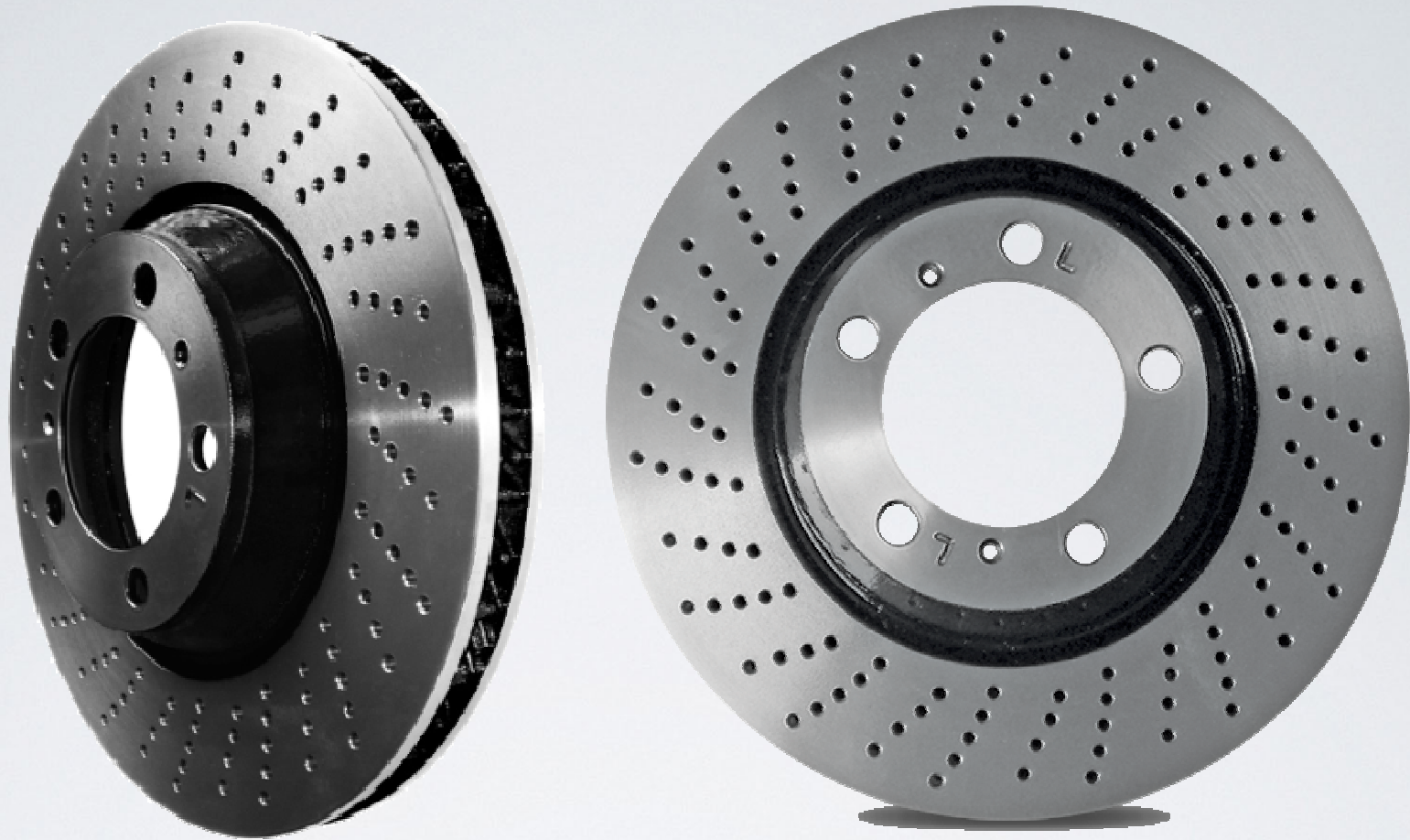
IMPROVING PRODUCT LIFETIME

It integrates a higher percentage of carbon into the rotor,
producing a better performance and durability



FREMAX DISCS ARE MADE OF SEVERAL CAST IRON ALLOY WITH HIGHER CARBON CONTENT

- ☑ Optimal thermal conductivity
- ☑ Help to prevent brake judder
- ☑ Avoid braking noise due to better damping
- ☑ Higher resistance to distortion and thermal cracking
- ☑ Improved braking safety and performance



BLACK PAINTED HUB

Exclusive painting that increases durability and reduces corrosion



BLACK PAINTED HUB

The Fremax Painted Disc is available to our entire range. it ensures maximum protection against corrosion even under high temperatures



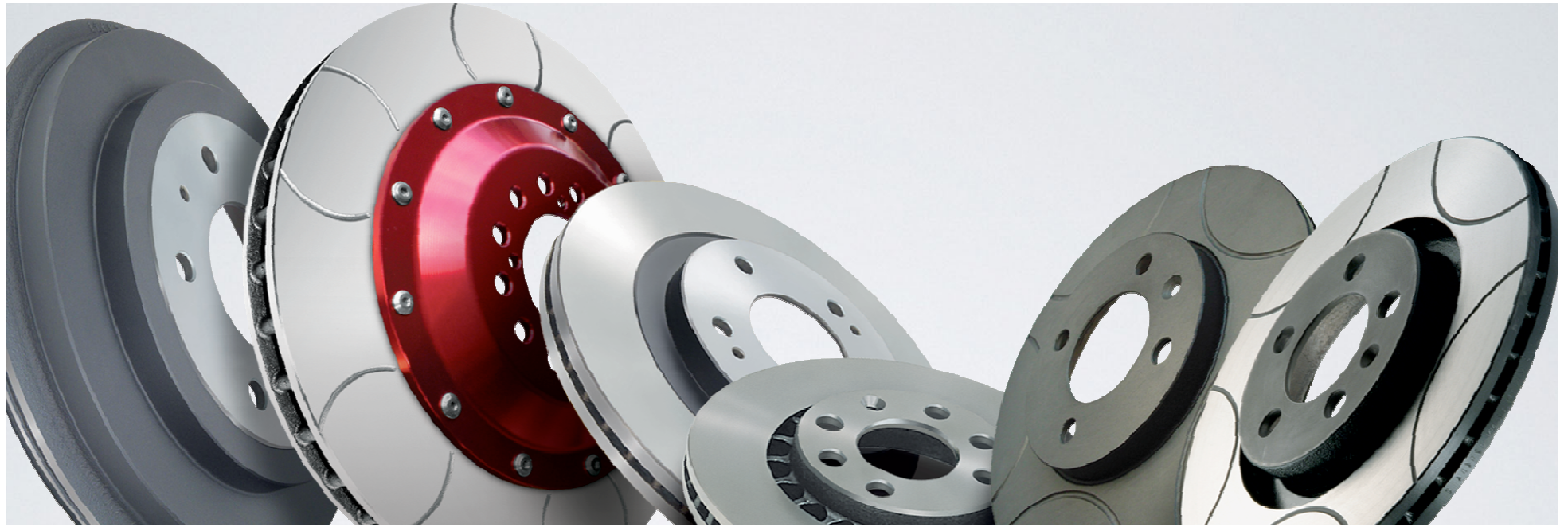
BETTER TOGETHER

Ideal brake pads for drivers who demand the best from their brakes, and are even more effective if used in conjunction with the appropriate FREMAX discs.



- ✓ ECE R90 Approval
- ✓ Positive moulding process
- ✓ Scorching process - No Break-in Required
- ✓ Consistent friction material density
- ✓ Backing plates are precision cut
- ✓ Supplied with Shims and Bolts (when it required by the application)
- ✓ Effective stopping power from the first braking onwards

ENHANCE YOUR PROFITABILITY



OVER 1.750 PART NUMBERS

We guarantee the best coverage for passenger and light commercial vehicles - European, Asian and American applications



MEET OUR LAB TEAM

FREMAX is the official supplier to the main car racing in South America - Stock Car V8 and light, Porsche Cup Challenge, F3000, Formula Renault, ... among others

FREMAX

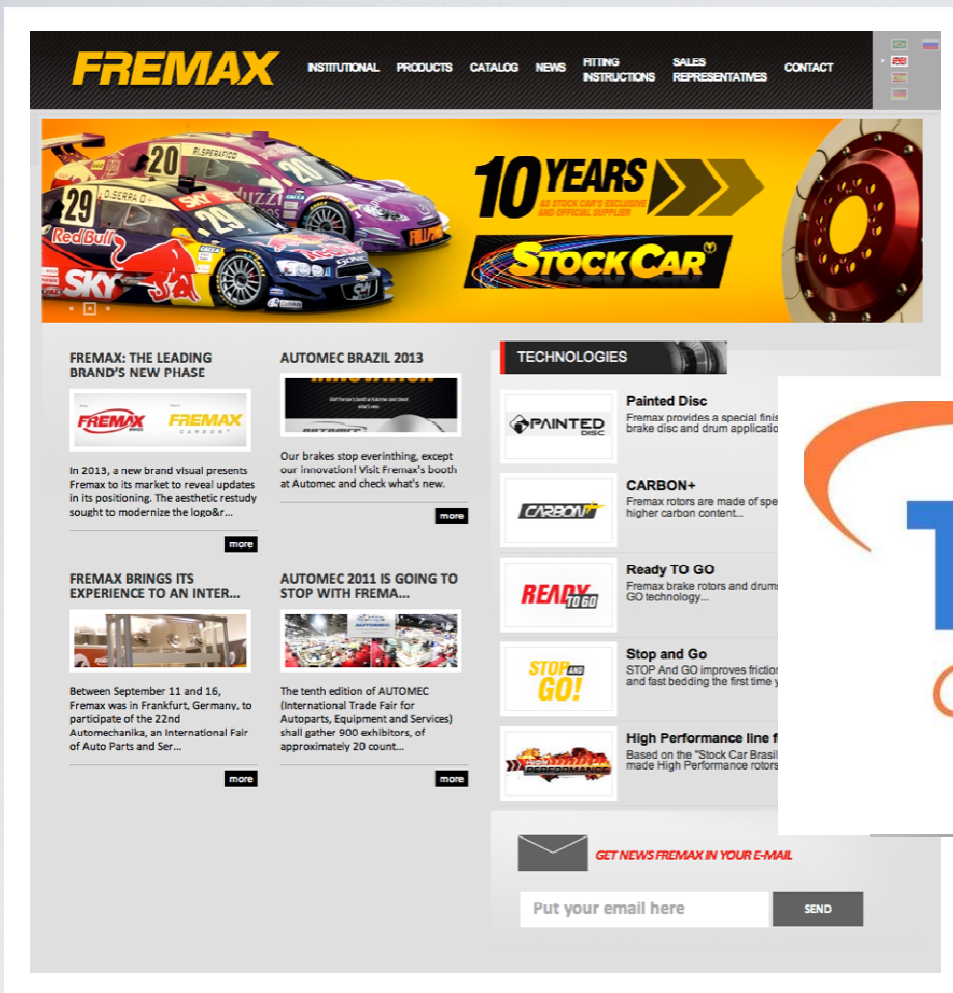
C A R B O N +

OFFICIAL SUPPLIER OF STOCK CAR BRASIL FOR THE LAST 10 YEARS.
IMPROVING PERFORMANCE AND SAFETY FOR RACING DRIVERS.



SUCCESSFUL PARTNERSHIP

In Stock Car V8 high performance discs developed by Fremax to disc category allowed a reduction of the average temperature from 360 degrees to 200 degrees Celsius. Better braking efficiency was thus achieved, allowing shorter braking space and a gain of 3 seconds per lap



INFORMATION IS STRATEGY

Our full product range is available at TecDoc, MAM and electronic catalogue at our website and mobile.

Start Thinking out of the box... **FREMAX**
BRAKE DISCS, DRUMS & PADS

Fremax Brakes have a long history of superior technologies over other brake disc manufacturers – with over 30 years of manufacturing history, Fremax is the best choice for today's professional motor mechanic.

SUPPLIED BY **ADS**

TECHNOLOGIES

CARBON
Reduces wear, improves braking, safety and performance ✓

COATED DISC
Maximum protection against corrosion. Longer lifetime. ✓

READY TO GO
Ready to assemble, no need to use chemical products to wash off ✓

STOP AND GO!
Concentric grooves for fast bedding of brakes and excellent friction from the beginning. ✓

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FREMAX
CARBON +

WHY PORSCHE CUP BRAZIL ENDED UP WITH FREMAX AFTER TESTING OEM AND OTHER GERMAN BRANDS?

The tests exceeded all expectations:

- Brake effectiveness (requires less pedal effort)
- Lower temperature (reduces stress on the rotors and other brake components)
- Lower wear (long life as cooler brakes last more)

FOR REACH THE CHALLENGES OF THE RALLY
WE NEED DETERMINATION AND HIGH PERFORMANCE

FREMAX OFFICIAL SPONSOR OF THE MITSUBISHI BRAZIL TEAM
IN THE RALLY DAKAR 2009

MITSUBISHI **PAJERO** **001**

ORIGINAL SUPPLIER OF BRAKES DISCS AND DRUMS FOR THE RALLY DAKAR MOTORSPORTS ORIGINALS

FREMAX
BRAKE ROTORS & DRUMS

A full line for domestic and imported applications

Designed for adverse conditions Fremax Brakes are known for their performance that exceeds OEM requirements.

TECHNOLOGIES

CARBON
It integrates a higher percentage of carbon into the rotor, producing a better performance and durability.

PAINTED DISC
Full line with exclusive painting that increases durability and reduces corrosion.

READY TO GO
Faster to assemble because wash up is not necessary. Excellent friction rate from the beginning.

MORE THAN 1500 PART NUMBERS

PORSCHE
Porsche brakes are famous for their high performance. They set remarkable standards for deceleration or stability even when demanded under extreme conditions. That's why PORSCHE CUP Brazil has chosen FREMAX as their supplier.

www.fremax.com **FREMAX** CARBON +

COMPARE!
Are you really getting what you are paying for?

FREMAX
CARBON +

COMPETITIVE "LIGHTWEIGHT" ROTORS

- Reduced plate thickness, increased air gap and vane size not conform to OE specifications
- Brake overheat due to lower rotor mass
- Pedal and steering wheel pulsation
- Leads to brake system noise due to reduced weight
- Lower mechanical resistance leading to distortion, cracking or total brake rotor collapse
- Poor braking efficiency affecting overall performance and safety
- Early rotor failure

Don't waste Time and Money!

FREMAX CARBON + **www.fremax.com** **ISO 9001** **ISO TS 16949** **OEM** Original Manufacturer Fabricator Original

MARKETING STRATEGY

We offer to you a rich marketing material to boost your sales.



FREMEX BRAKES EUROPE

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The Netherlands

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