

*Imperial mack*

**ENGENHARIA INDÚSTRIA E COMÉRCIO LTDA**

2025

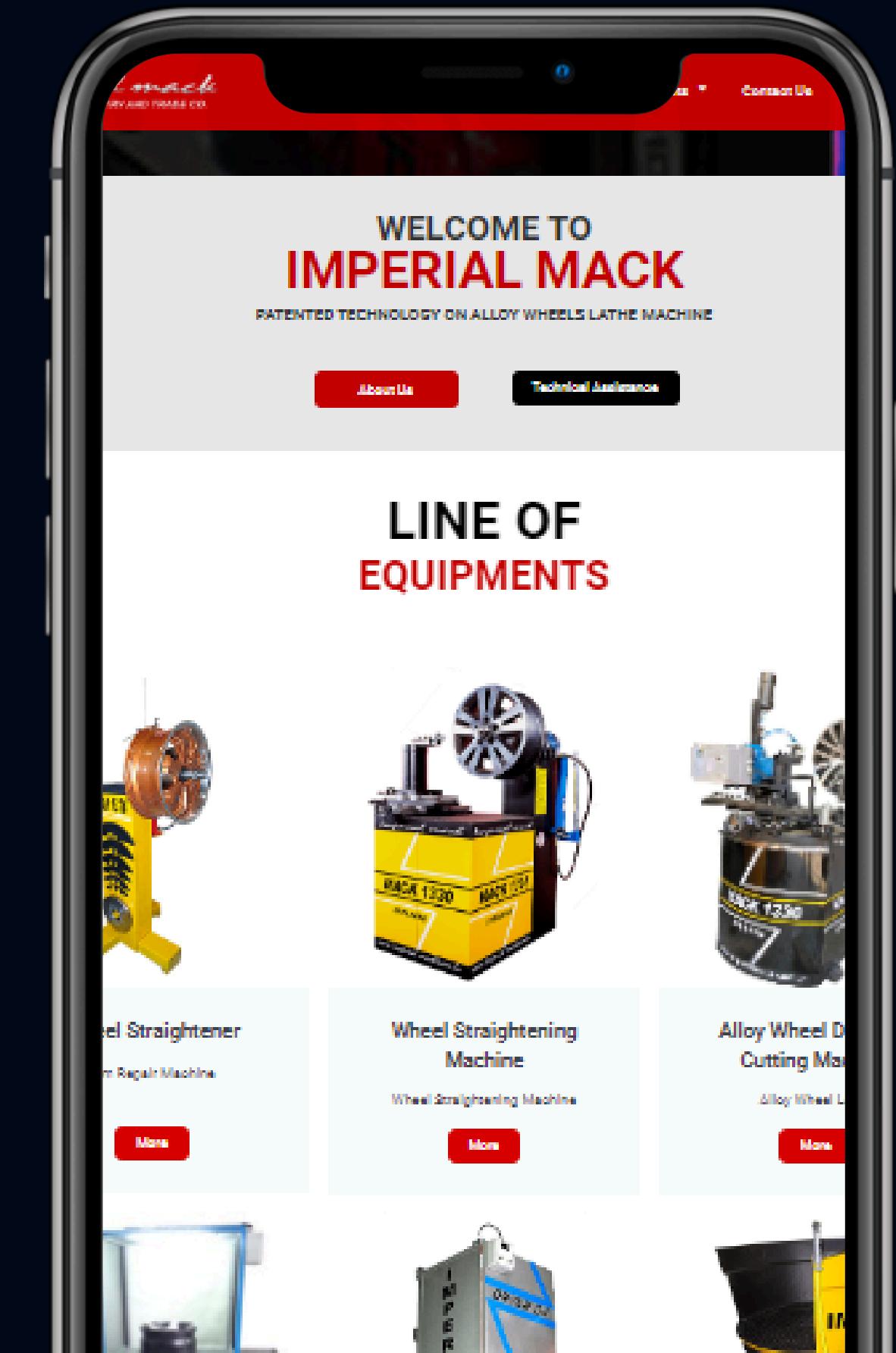


# KNOW OUR COMPANY

## IMPERIAL MACK

First factory in Brazil with exclusive technologies in the development and manufacture of copy lathes, diamond cutters and straighteners for automotive wheel repair and wheel restoration equipment.

Developed and constantly improved by our engineering team, our wheel lathes increasingly meet the real needs of owners of Automotive Centers and Rubber Plants throughout Brazil who provide wheel reconditioning and diamond grinding services.





## MISSION

Develop exclusive and high-quality equipment, as well as offer the best service to our customers



## VISION

The success of any business is based on 3 elements:

1. Love in what you do.
2. Constant business strategic planning.
3. Transparency, commitment and loyalty.

# MACHINE MACK 1330 MASTER

STRAIGHTENING AND DIAMOND CUTTING

DIMENSIONS::

1,15 x 0,78 x 1,40 CM

WEIGHT:

1.200,00 KG

ELECTRIC POWER

Main motor: 2 hp, 4 poles three-phase 220/380 V or  
220 V single-phase

Milling motor: 0.5 hp, 2 poles three phase 220/380  
V or 220 V single phase

ELECTRICAL CONTROL

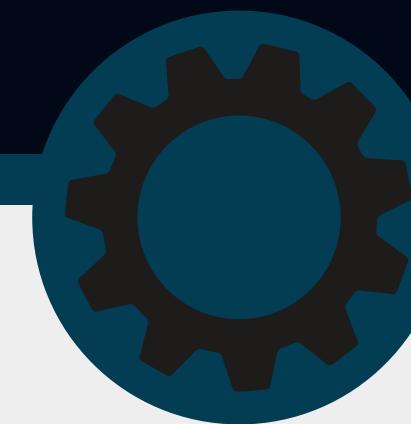
2 CV motor controlled by frequency variator  
Milling motor with direct drive by three-phase  
ON/OFF switch



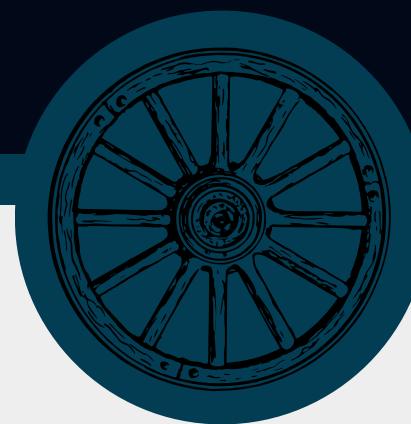
# FUNCTIONALITIES



straightening alloy and steel wheels from 13 to 30 inches quickly and accurately with an 8-ton hydraulic straightening system.



This lathe model copies the wheel profile, including wheels with high rims, with decimal precision.



Automatically performs diamond cutting of alloy wheels with original factory CNC quality.

# OPTIONAL KITS

FOR THE MASTER MACHINE

## BRAKE DISC GRINDING KIT

IT CONSISTS OF A 1 HP 2 POLE 3 PHASE ELECTRIC MOTOR WITH A 7" UNBREAKABLE GRINDING WHEEL MOUNTED IN THE TOOL TURRET LOCATION. THE DISPLACEMENT OF THE ABRASIVE DISC ON THE BRAKE DISC IS MANUAL.

THE SYSTEM HAS A TRAY FOR WASTE COLLECTION.



## OFF SET KIT

IT ALLOWS THE MACHINING OF WHEEL HUBS FROM 13" TO 23" RIMS, SUCH AS MACHINING FOR CENTERING RINGS.



# DESCRIPTION



## WHEEL FIXING SYSTEM

The wheels are centered using tapered hubs (2 sizes) and bolt to the flanged disc with all combinations of 4/5/6 and 8 holes.

## STRAIGHTENING SYSTEM

- Straightening with hydraulic process by means of a pump with an 8 TON hydraulic cylinder, using 2 types of actuators for various types of wheels.
- Performs front and rear wheel straightening in sequential operations without removing the wheels.

## DIAMOND SYSTEM

- Diamond cut made by pantographic process using electro-pneumatic copier (PATENTED) to automatically cut the mold and diamond cut made by interchangeable fine point diamond insert.
- Machining with automatic lubrication with pneumatic micro-sprinkling nozzle.
- The diamond finish is controlled by a variator converter that adjusts the rotation of the axis of the copy table, thus controlling the type of surface finish of the diamond disc.

# MACHINE MACK 1330 STANDAF

## STREIGHTENER

DIMENSIONS:

0,95 x 0,78 x 1,40 CM

WEIGHT:

200 KG

## ELECTRIC POWER

Three-phase motor 0.75 HP 8 poles

## ELECTRICAL CONTROL

Direct start with key ON/OFF

## MOTOR ROTATION

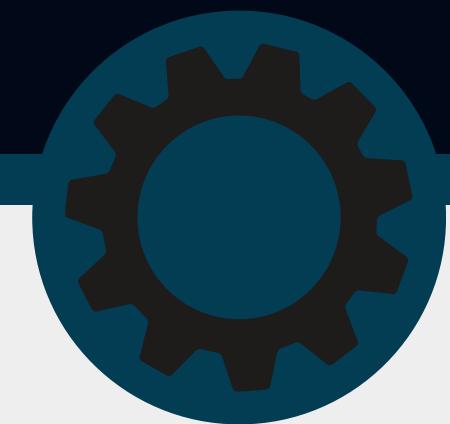
Fixed rotation 850 RPM



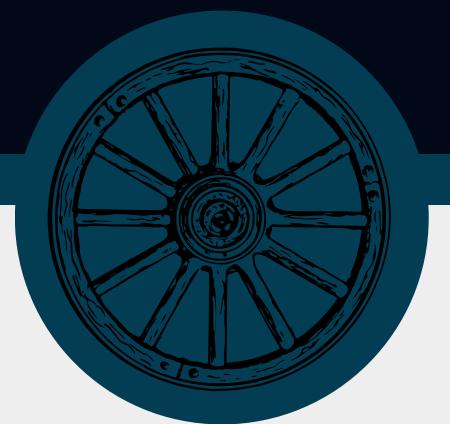
# FUNCTIONALITIES



Straightens the tire in its rear, front and center of the wheel

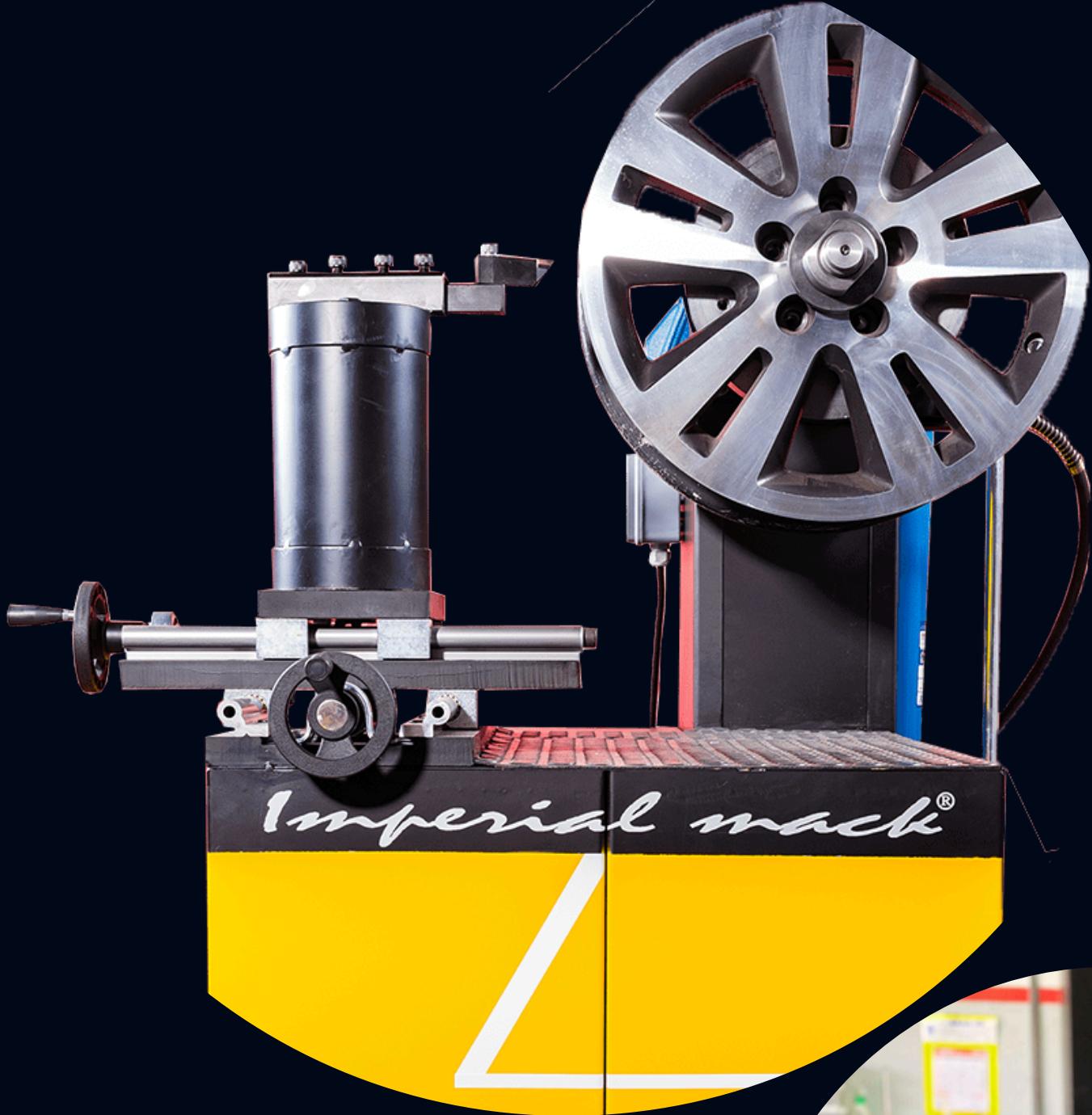


Straightens rims from 13" to 30".



Works with alloy and iron wheels.

# DESCRIPTION



## WHEEL FIXING SYSTEM

The wheels are centered using tapered hubs (2 sizes) and bolt to the flanged disc with all combinations of 4/5/6 and 8 holes.

## STRAIGHTENING SYSTEM

- Straightening with hydraulic process by means of a pump with an 8 TON hydraulic cylinder, using 2 types of actuators for various types of wheels.
- Performs front and rear wheel straightening in sequential operations without removing the wheels.

## OPTIONALS

### BRAKE DISC RETIFF SYSTEM

It consists of a 1 hp 2 pole 3 phase electric motor with a 7" unbreakable grinding wheel mounted in the tool turret location. The displacement of the abrasive disc on the brake disc is manual.

The system has a tray for waste collection.

# DH 1330

HYDRAULIC STRAIGHTENER

DIMENSIONS:

0,82 x 0,80 x 1,33 CM

WEIGHT:

110 KG





# DESCRIPTION

## WHEEL FIXING SYSTEM

The wheels are centered using tapered hubs (2 sizes) and bolt to the flanged disc with all combinations of 4/5/6 and 8 holes.

## STRAIGHTENING SYSTEM

- Straightening with hydraulic process by means of a pump with an 8 TON hydraulic cylinder, using 2 types of actuators for various types of wheels.
- Performs front and rear wheel straightening in sequential operations without removing the wheels.

# PAINT BOOTH

WITH INTEGRATED STOVE

DIMENSIONS:

0,90 x 1,60 x 1,70 CM

WEIGHT:

180 KG

ELECTRICAL POWER

Resistance of 2 KW/ 220 V

ELECTRICAL COMMAND

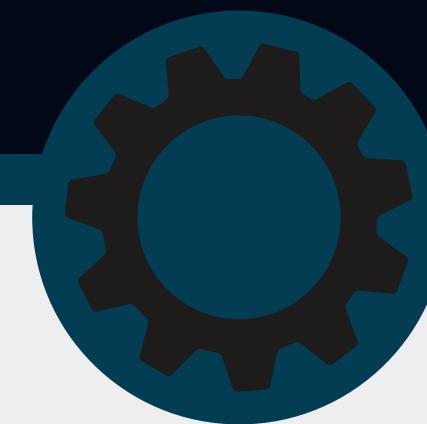
Panel with ON/OFF command for the exhaust and lighting system, and heating system controlled by digital system.



# FUNCTIONALITIES



Paint booth with integrated exhaust system and internal hot air recirculation system from the stove



Double crossed lighting system (white light), for a better painting of the rims



Equipped with a disposable dry filter to retain paint dust.  
It has an integrated 4-wheel drying oven.

# STOVE DRYER 04

TIRE DRYING OVEN

DIMENSIONS:

0,76 x 0,76 x 1,60 CM

WEIGHT:

60 KG

ELECTRICAL POWER

Resistance of 2 KW/ 220 V

ELECTRICAL COMMAND

Control panel with control of the heating system  
by digital system.



# FUNCTIONALITIES



Stove with internal hot air recirculation system



Temperature control by digital system



It has the capacity to dry 4 wheels.

# DM 1330

MOTORCYCLE TIRE STRAIGHTENER

DIMENSIONS:

0,82 x 0,80 x 1,33 CM

WEIGHT:

110 KG



# DESCRIPTIONS



## WHEEL FIXING SYSTEM

Fixation of the wheels by means of conical bushings, only through the central hole of the wheel, mounted on a bearing.

## STRAIGHTENING SYSTEM

- Straightening with hydraulic process by means of a pump with an 8 TON hydraulic cylinder, using 2 types of actuators for various types of wheels.
- Performs rear, front, and sequential wheel hub straightening without removing the wheel.
- Works with steel and alloy wheels.
- The articulated front supports that avoid tensions in the central axis and in the conical bushings during the process of straightening the wheels.
- Our motorcycle wheel straightener is a piece of equipment mounted on a high-strength metal structure.

# MAÇARICO OXYCUT KIT

## DESCRIPTION

- 01 MACARICO CUT
- 01 BICO CUTTING WITH ACETYLENE AND OXYGEN
- 01 PAIR OF ANTI-RETROCESS CHECK VALVE FOR MACARICO
- 03 METERS OF DOUBLE HOSE
- 01 PRESSURE REGULATOR FOR ACETYLENE
- 01 PRESSURE REGULATOR FOR OXYGEN
- 01 FOGO SHORT VALVE FOR ACETYLENE REGULATOR



# INVESTMENT

STRAIGHTENING AND DIAMOND CUTTING MACHINE MACK 1330 MASTER	USD 8.500,00	TIRE DRYING OVEN	USD 1.780,00
WHEEL STRAIGHTENING MACHINE MACK 1330 STANDARD	USD 4.760,00	DRY FILTER SPRAY BOOTH WITH INTEGRATED STOVE	USD 3.100,00
HYDRAULIC STRAIGHTENER DH 1330	USD 1.800,00	MAÇARICO KIT	USD 716,00
MOTORCYCLE TIRE STRAIGHTENER DM 1322	USD 1.600,00	OFF-SET KIT BRAKE DISC RETIFIC KIT	USD 640,00 USD 1.300,00

# Payment and shipping methods

PROHIBITED

**50% - 100%**

MANUFACTURING TIME

**15 to 20  
days**



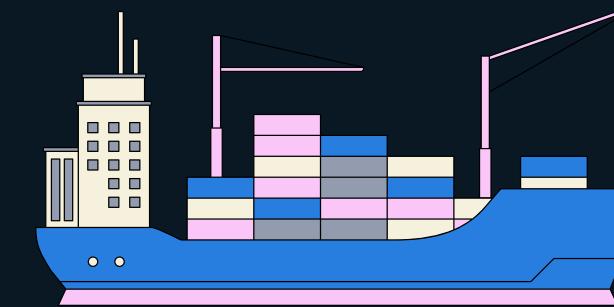
Payment

BANK TRANSFER

DELIVERY DEADLINE

Under freight quote

**FREIGHT**



# WARRANTY AND TECHNICAL ASSISTANCE

## Warranty

One year warranty against manufacturing defects,  
subject to the provisions of the Warranty Certificate.

## Assistance

Permanent virtual technical assistance

Full replacement of parts. We ship any part or component of the  
lathe via mail or carrier.

# CUSTOMERS

---

We have been in the market for 20 years, operating in the national and international markets.

**+5 THOUSAND SATISFIED  
CUSTOMERS WORLDWIDE!**

# Contacts



+ 55 (11) 95265-9066



contato@imperialmack.com.br



@imperial.mack

2023

