



M E N O R T E

## OUR HISTORY

- Menorte was founded in 1974, we have experience in different raw materials such as Carbon steel, brass, stainless steel, aluminum, copper and other types of alloys.
- Throughout the years of operation, this company has been dedicated to satisfying the requirements of all the customers every day.
- We have grown by transforming our conventional equipment to CNC, with the aim of providing the best possible quality and service.

# MISSION

M E N O R T E —————

Create products that exceed the quality expectations required by our customers, including the social responsibility of the company



# VISION

M E N O R T E —————

To be a leading company in the world-class market, through constant growth to continue adding value to the labor, environmental and economic areas of our environment

# QUALITY POLICY

M E N O R T E

MENORTE is a company that seeks to satisfy and exceed the expectations of our customers, always delivering quality products on time, through a quality system, the fulfillment of its objectives, the continuous improvement of its processes and the awareness of its staff.



# WE ARE A COMPANY CERTIFIED IN ISO 9001: 2015

M E N O R T E

Our Quality Management System was approved since December 20, 2006 by Lloyd's Register Quality Assurance (Certificate No. MQA 4000235) under the quality standard ISO 9001: 2015.



Current issue date: 20 December 2021  
Expiry date: 19 December 2024  
Certificate identity number: 10400211

Original approval(s):  
ISO 9001 - 20 December 2006

## Certificate of Approval

This is to certify that the Management System of:

**Maquinados Especiales del Norte,  
S.A. de C.V.**



Current issue date: 20 December 2021  
Expiry date: 19 December 2024  
Certificate identity number: 10400211

Original approval(s):  
ISO 9001 - 20 December 2006

## Certificate of Approval

This is to certify that the Management System of:

**Maquinados Especiales del Norte,  
S.A. de C.V.**

Isaac Garza #2414 Oriente, Col. Obrera, 64010 Monterrey, Mexico

has been approved by Lloyd's Register to the following standards:

**ISO 9001:2015**

Approval number(s): ISO 9001 - 0010580

The scope of this approval is applicable to:

Machined Parts for the General Industry.

Cliff Muckleroy

Area Operations Manager Americas

Issued by: Lloyd's Register Quality Assurance, Inc.

for and on behalf of: Lloyd's Register Quality Assurance Limited



Lloyd's Register Group Limited, its affiliates and subsidiaries, including Lloyd's Register Quality Assurance Limited (LRQA), and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or for any other reason, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract. Issued by: Lloyd's Register Quality Assurance, Inc., Av. David Alfaro Siqueiros 108, Piso 17 - Suite 1703, Col. Valle Oriente, San Pedro Garza-Garcia, Nuevo Leon 66288, Mexico for and on behalf of: Lloyd's Register Quality Assurance Limited, 1 Tinsley Park, Bickenhill Lane, Birmingham B37 7YD, United Kingdom

Page 1 of 1





**LOCATION WITH QUICK  
CONNECTION TO MAIN  
AVENUES**

M E N O R T E

Calle Isaac Garza # 2414  
Oriente, in Monterrey Nuevo  
León, México C. P. 64010.

# PANORAMIC VIEW OF OUR FACILITIES

M E N O R T E

MENORTE has 37,673.686 Sq Ft with 3 entrances: Isaac Garza, Adolfo Prieto and Fernando Montes de Oca, in order to optimize the logistic of receiving materials. Also we have a second facility with 8,611 Sq Ft.



↑  
Machining Shop

← Receipt of raw material and cutting





# SOME OF OUR WORK AREAS

— M E N O R T E —



Material cutting area



Cleaning and finishing Area



Tapping Area



Marking Area



# SOME OF OUR WORK AREAS

— M E N O R T E —

Tool Warehouse



Production Cell



Quality



# EMPLOYEES

M E N O R T E

We have highly trained personnel, currently a total of **140** employees, distributed as follows:

Two Shifts

Monday to Saturday



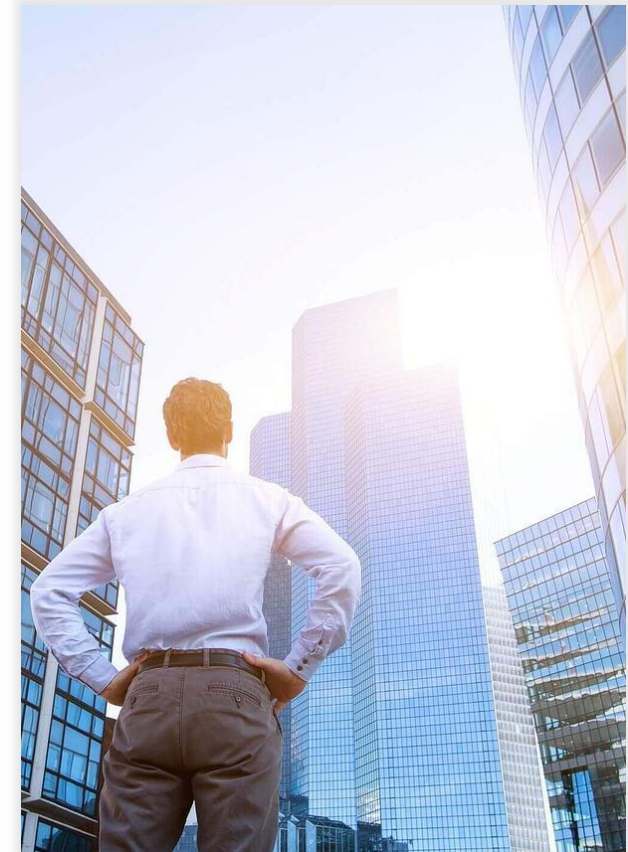
116 people in the manufacturing area.



7 people in the quality control area.



17 people in the administrative area.



# OUR CURRENT CUSTOMERS

— M E N O R T E —



# SOME OF THE PRODUCTS WE MANUFACTURE

M E N O R T E

We manufacture small, medium and large batches according to the capacity of the equipment we have. The experience that has been acquired over more than 40 years in the industry is the machining of slices, shafts, flanges, wheels, rollers, nipples, bushings, to name a few.





# SOME OF THE PRODUCTS WE MANUFACTURE

— M E N O R T E —



# Outsourcing services

— M E N O R T E —

We maintain a portfolio of reliable suppliers for the different additional processes that machined parts require, such as:

*Hardened and tempered*

*Cemented*

*Carburized*

*Nitride*

*Black Oxide*

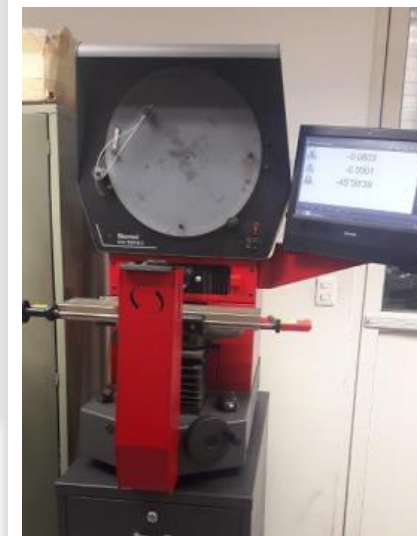
*Phosphate*

*Galvanized*

# METROLOGY

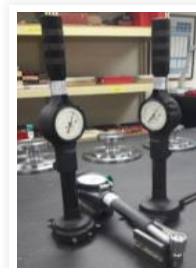
M E N O R T E

We have a diversification of measurement equipment with which we guarantee that the manufactured products meet the specifications required by our customers, these in turn are calibrated with calibrated and traceable standards in accredited laboratories.



# MEASUREMENT EQUIPMENT

M E N O R T E





# COORDINATE MEASUREMENT MACHINE

— M E N O R T E —

**HEXAGON 4.5.4 SF  
PC-DMIS PRO Software**

400mm x 500mm x 400mm



# MACHINERY

M E N O R T E

We have 50 CNC total: lathes and mills, with a turning capacity of up to 38 ”



# MACHINERY

— M E N O R T E —

Two pallets Mills  
(we have 5 cnc)



# MACHINERY

— M E N O R T E —

We have 5 automatic cutting blades with a maximum cutting diameter of 14 inches (356 mm).





# MACHINERY (SPECIFICATIONS)

M E N O R T E

## LISTA DE TORNOS

TEAM BRAND	TEAM MODEL	MAXIMUM DIAMETER	REST DIAM.	LENGTH BETWEEN CENTERS	EJES
MAZAK	SMART QTS 250	10		20	2
DOOSAN	PUMA 700 L	35	30	120	2
DOOSAN	PUMA 480 L	25		80	2
DOOSAN	PUMA 300 L	12		30	2
DOOSAN	PUMA 300 L	12		30	2
DAEWOO	LYNX 220	11		12.7	2
DOOSAN	LYNX 220	11		12.7	2
DOOSAN	LYNX 220	11		12.7	2
DOOSAN	LYNX 220	11		12.7	2
DOOSAN	LYNX 220	11		12.7	2
DOOSAN	LYNX 220	11		12.7	2
OKUMA	LB 300 M	10		20	3
OKUMA	LB 300 MY	10		20	4
OKUMA	LB 35 II M (MILL)	27	12	60	3
MAZAK	QT 350	16.5		60	2
MAZAK	QT 200	10	12	20	2
DOOSAN	LYNX 220	11		12.7	2
MAZAK	QT 100	11		12	2



# MACHINERY (SPECIFICATIONS)

M E N O R T E

<b>MAZAK</b>	<b>QT 300</b>	<b>16.5</b>		<b>25.9</b>	<b>2</b>
<b>MAZAK</b>	QT 250	13.78		25.9	2
<b>OKUMA</b>	2SP-250H	10	DOUBLE GANTRY	7	4
<b>MAZAK</b>	QTS 250	10		20	2
<b>MAZAK</b>	QTS 200	8		15	2
<b>MAZAK</b>	QTS 200	8		15	2
<b>OKUMA</b>	LB 300 M GENOS	10		20	3
<b>OKUMA</b>	LB300EX II	16		19.6	2
<b>OKUMA</b>	L400E	12		45	2
<b>OKUMA</b>	L400E	12		19	2
<b>DOOSAN</b>	LYNX 2100LB	11		12.7	2
<b>HYUDAI</b>	L300LA	14		52	2
<b>TAKISAWA</b>	NEX-105	11		10	2
<b>DOOSAN</b>	LYNX 2100	11		12.7	2
<b>DOOSAN</b>	LYNX 2100	11		12.7	2
<b>DOOSAN</b>	LYNX 2100L	11		12.7	2
<b>DOOSAN</b>	LYNX 220	11		12.7	2
<b>DOOSAN</b>	LYNX 220	11		12.7	2
<b>DOOSAN</b>	PUMA TT1800SY	4		6	2



# MACHINERY (SPECIFICATIONS)

M E N O R T E

## MACHINING CENTER LIST

TEAM BRAND	TEAM MODEL	MOVEMENT IN X	MOVEMENT IN Y	MOVEMENT IN Z	EJES	COMMENTS
MAZAK	VTC 250D/50	69"	25"	26"	3	
MAZAK	510C	50"	20"	22"	3	
MAZAK	HCN 4000 II	22.05"	25.2	25.2"	3	DOUBLE PALLET
MAZAK	510C II	51.18"	21.65"	22.44"	3	DOUBLE PALLET
DOOSAN	VC510	30"	20.3"	22.44"	3	DOUBLE PALLET
OKUMA	GENOS M560V	41.34"	22.05"	18.11"	3	
DOOSAN	DT 360D	20.47"	14.17"	13.78"	3	DOUBLE PALLET
DOOSAN	NHP 5000	28.74"	28.74"	34.65"	3	DOUBLE PALLET
NOTE: ALL MILL CENTER INCLUDES ROTARY TABLE, CHUCKS.THE CHUCK´S DIAMETERS ARE:						
8",10",12"						



# CONTACTS

— M E N O R T E —

Menorte. appreciates your attention and hoping to have the confidence to start a new business relationship.

**Ing. Luis Enrique Garza**

CEO

legt@menorte.com

**MA. Javier D. Butzmann Vega**

Plant manager

Jbutzmann@menorte.com

---

Contact us at : [menorte@menorte.com](mailto:menorte@menorte.com)

---