LLC "UzAuto-INZI"

Aluminum Parts, Perfected by High-Pressure Die Casting

Uz INZI

1 Founder

JSC "UZBEKENERGOTA'MIR"   **100%**

2 Area
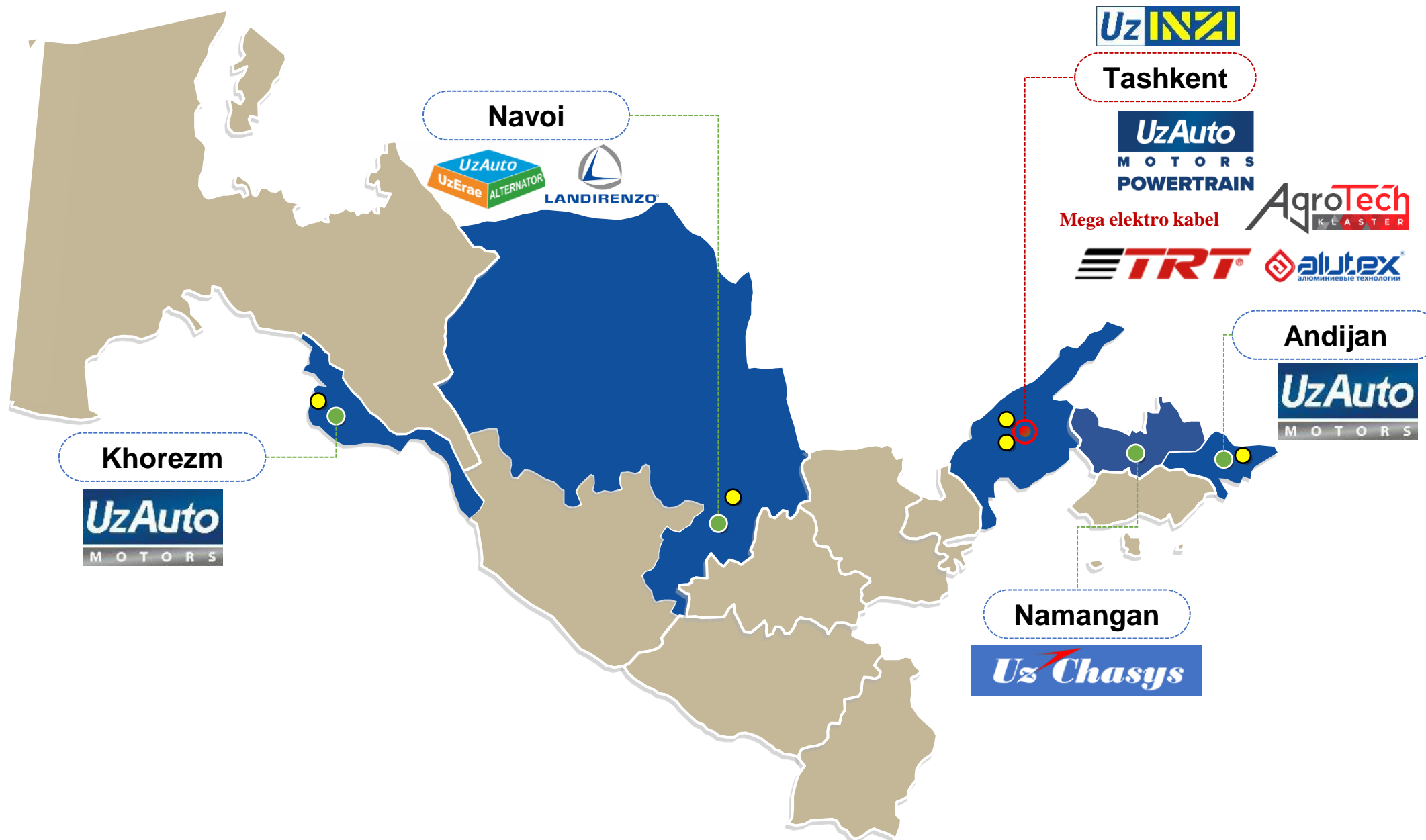
Total area   **69 000 m^2**
Production area **10 000 m^2**
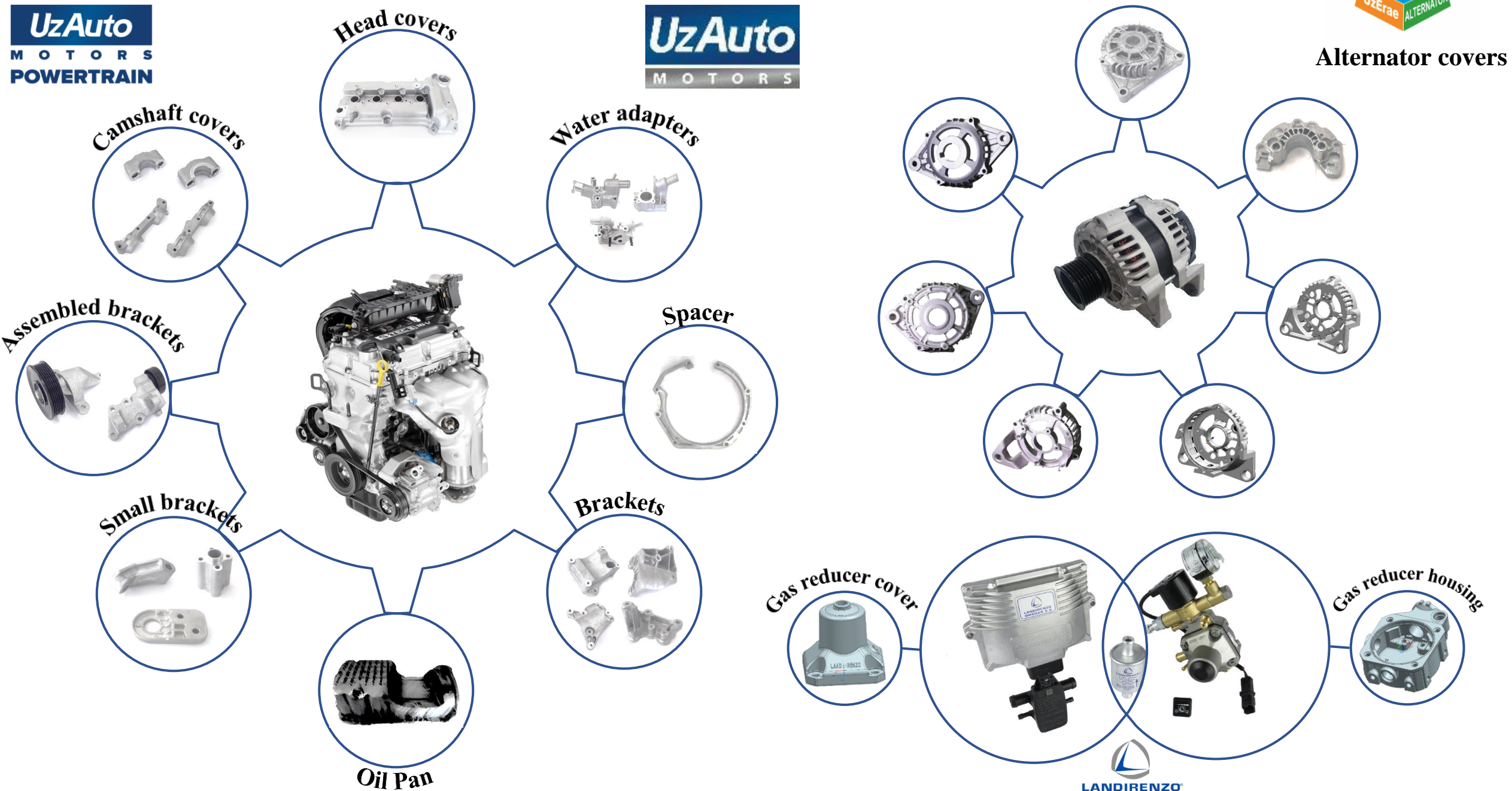
3 Intro

Staff   **270 people**
Annual volume **2 400 ton**
Main customer **JSC "Uzautosanoat"**

A – Melting & Casting shop
B – Deburring & Shot blast shop
C – Machining line
D – Assembly line
E – Warehouse
F – Administrative office

UzINZI

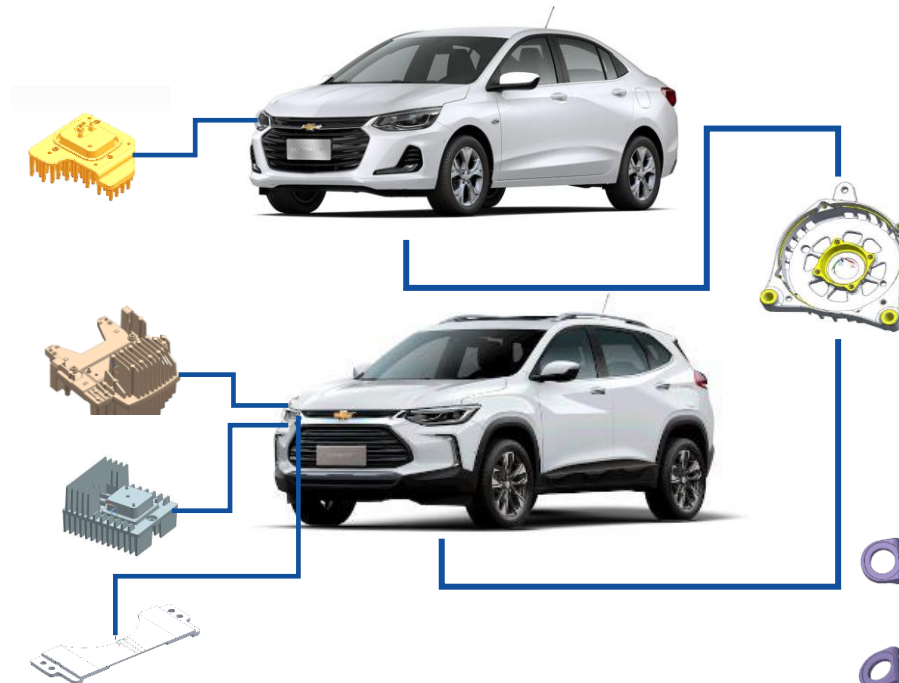UzAuto
MOTORS
POWERTRAIN

UzAuto
MOTORS

UzAuto UzErae ALTERNATOR

Alternator covers

Head covers

Camshaft covers

Water adapters

Spacer

Assembled brackets

Small brackets

Brackets

Oil Pan

Gas reducer cover

Gas reducer housing

LANDIRENZO

Extension for CSS Prime

Heat sink for Headlamps of B-Car and B-SUV

Roof rack and Radiator brackets for B-SUV

PROCESS FLOW CHART

- Chemical composition
- Қ-mold test
- Density inspection

-Visual inspection (IPQS)

- CMM inspection
- Control and measuring devices
- Visual and measuring inspection

MELTING
Melting of aluminum ingots

DEBURRING
Removing the sprues

MACHINING
Milling, drilling, threading, etc.

DELIVERY
Delivery to the customer

- Incoming inspection
- Chemical composition
- Break test

- X-Ray
- Parameter control
- Visual inspection (IPQS)

-Visual inspection (IPQS)

- Control and measuring instruments
- Visual and control check
- Final inspection

CASTING
High pressure casting

SHOT BLASTING
Improved appearance

ASSEMBLY
Assembly of component parts

Uz **INZI**

MELTING SHOP	CASTING SHOP	SHOT BLASTING AREA	MACHINING LINE	ASSEMBLY LINE	STRETCH BENDING

MELTING SHOP

Performance:
2 400 ton/annual

Product:
Molten aluminum

The melting area has:
2 ton melting furnace
3 ton melting furnace

CASTING SHOP

Performance:
3 500 ton/annual

Product:
Aluminum parts

The casting area has:
9 HPDC machines:
5 machines 350t.
1 machine 650t.
2 machines 1650t.
1 machine 1250t.

SHOT BLASTING AREA

Performance:
5 mln/annual

Product:
Part appearance

MACHINING LINE

Performance:
2 mln/annual

Product:
Machined parts

The machining line has:
32 ea. modern CNC milling machines

ASSEMBLY LINE

Performance:
1.5 mln/annual

Product:
Assembled parts

The assembly line has:
32 ea. modern assembly equipment and 11 ea. leak testers.

STRETCH BENDING

Performance:
0,5 mln/annual

Product:
Bended profile

Gas Melting Furnace with inclined crucible

Recyclable Products

Dross

Ingot 81%

Chill vent

Ingot 91%

Chips

Ingot 77%

- Melting power: 300 kg/h
- Products: Aluminum ingots
- Volume of dross: ~700 kg/day
- Volume of chill vent: ~1000 kg/day
- Volume of chips: ~1000 kg/day

Ingot

ISO/IEC 17025:2019

To build our clients' confidence in us, we have gone to great lengths to attain the prestigious quintuple certification in quality standards. We are compliant with

- **ISO 9001:2015** for Quality Management
- **IATF 16949:2016** for automotive quality system requirement based on ISO 9001:2015
- **ISO 14001:2015** for Environment Management
- **ISO 45001:2018** for Occupational Health & Safety Management
- **ISO 50001:2018** for Energy Management System
- **ISO 17025:2019** for Laboratory Accreditation

Haimer Tool presetter

Optical emission spectrometer (2 pcs.)

Carl Zeiss CMM (2 pcs.)

Brinell hardness tester

Universal Testing machine

Rockwell hardness tester

Cleanliness testing
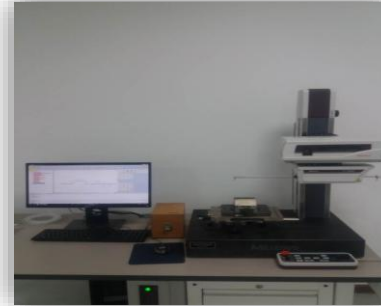
QUALITY CONTROL APPROVED

Profile projector

Salt spray

Digital Microscope

Roughness tester

Shape Measurement machine

X-Ray inspection equipment

Densimeter

Thank you!

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