



SRT Gear Industry  
Company Presentation  
2019

## COMPANY PROFILE

- \* Founded in 1988
- \* Located in Konya - Turkey
- \* Production of;
  - Transmission Gears
  - Axle Parts
- \* 10.000 sqm production area
- \* 50+ Employees - 15 White Collar
- \* Production for OES & Aftermarket companies



# PRODUCT GROUPS



Crown Wheel & Pinions



Speed Gears



Synchronizing Hubs



Synchronizer Rings



Primary & Secondary Shafts



Differential Housings



Differential Gears



Stub Shafts



Driveshafts



# PRODUCTION Turning, Drilling, Machining

## Machine List

DMG Mori Seiki CTX310  
Mori Seiki NMV5000 DCG  
Taksan TMC1000  
Goodway GLS260

## Capabilities

CNC Turning

Max. 1000 mm Length - 400 mm Diameter  
C axis Turning

CNC Machining

Max. 500 mm Diameter  
5 Axis Simultaneous Machining



# PRODUCTION Gear Hobbing & Gear Shaping

## Machine List

Liebherr LC80  
Mikron Cima C160  
WMW ZFTK250

Liebherr WS1  
Lorenz SN4  
Maag SGH250

## Capabilities

Max. Hobbing diameter 400 mm  
Max. Hobbing module 7

Max. Shaping Diameter 300 mm  
Max. Shaping Module 5  
Conical Gear Shaping  
Helical Gear Shaping



# PRODUCTION Gear & Cylindrical Grinding

## Machine List

Reishauer RZ362A  
Reishauer RZ300E  
Studer S40

## Capabilities

Max. Gear grinding diameter 400 mm  
Max. Gear grinding module 7

Max. Cylindrical Grinding Length 500 mm  
Max. Cylindrical Grinding Diameter 400 mm

Quality 6 guaranteed according to DIN3962



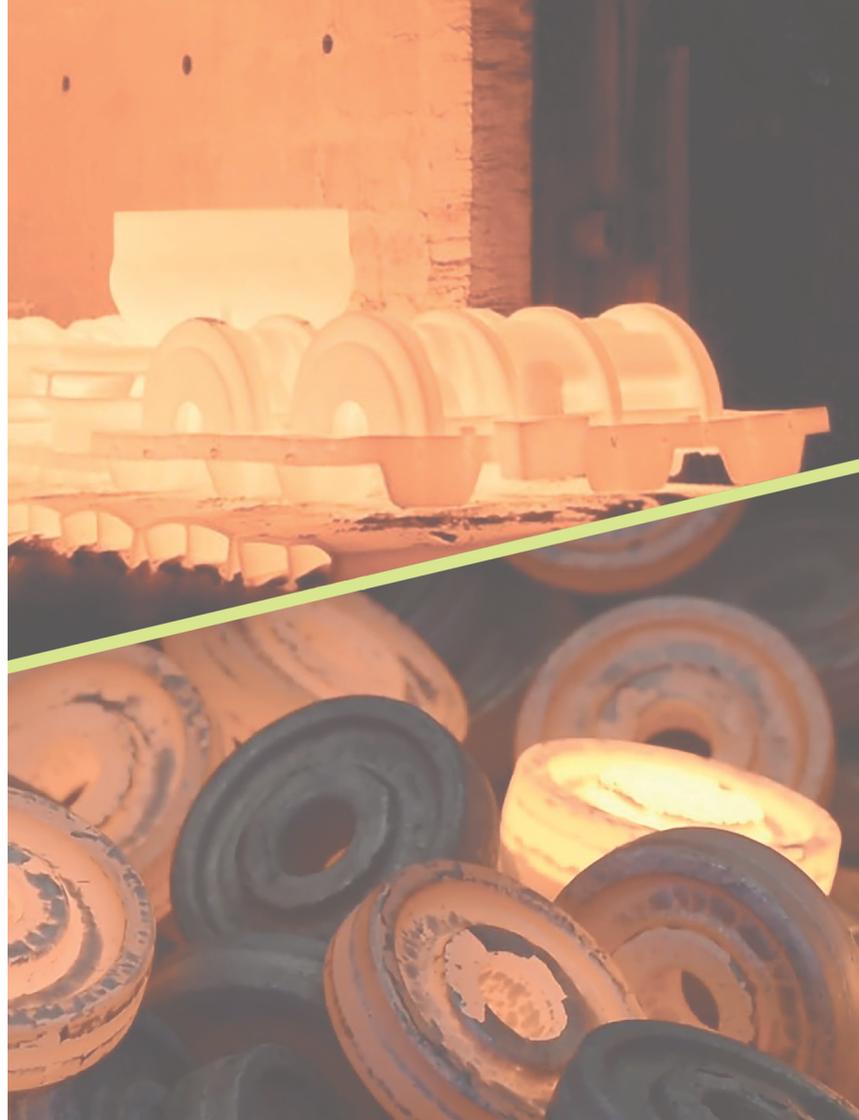
## **PRODUCTION** Outsourced Operations

### **Operation List**

Hot Forging  
Casting  
Investment Casting  
Heat-Treatment  
Bevel Gear Hobbing

### **Remarks**

All outsourced operations are strictly being tested in our factory. All kind of test reports are available for outsourced operations.



## PRODUCTION Other Operations

### Machine List

Kuka RS12 - Friction Welding Machine

GTV - Molybdenum Coating Machine

Karl Klink - Broaching Machine

Shrink Fit Station

### Capabilities

Friction welding for steel to steel parts

Max. 50 mm diameter

Molybdenum Coating for,

- Brass
- Steel

Broaching,

- Helical internal gear broaching
- Straight internal gear broaching

Shrink Fit Station,

- Smart fitting presses
- Enlarging Owen
- Part cleaning Systems



# QUALITY CONTROL Dimensional Measurements

## Machine List

Mitutoyo Crysta Apex 7106 - Coordinate Measuring Machine

Mitutoyo LH600 - Linear Measuring Machine

## Capabilities

Max. Measuring Dimensions, 705 x 1005 x 605

Precision,  $1,7 + 3L/1000 \mu\text{m}$

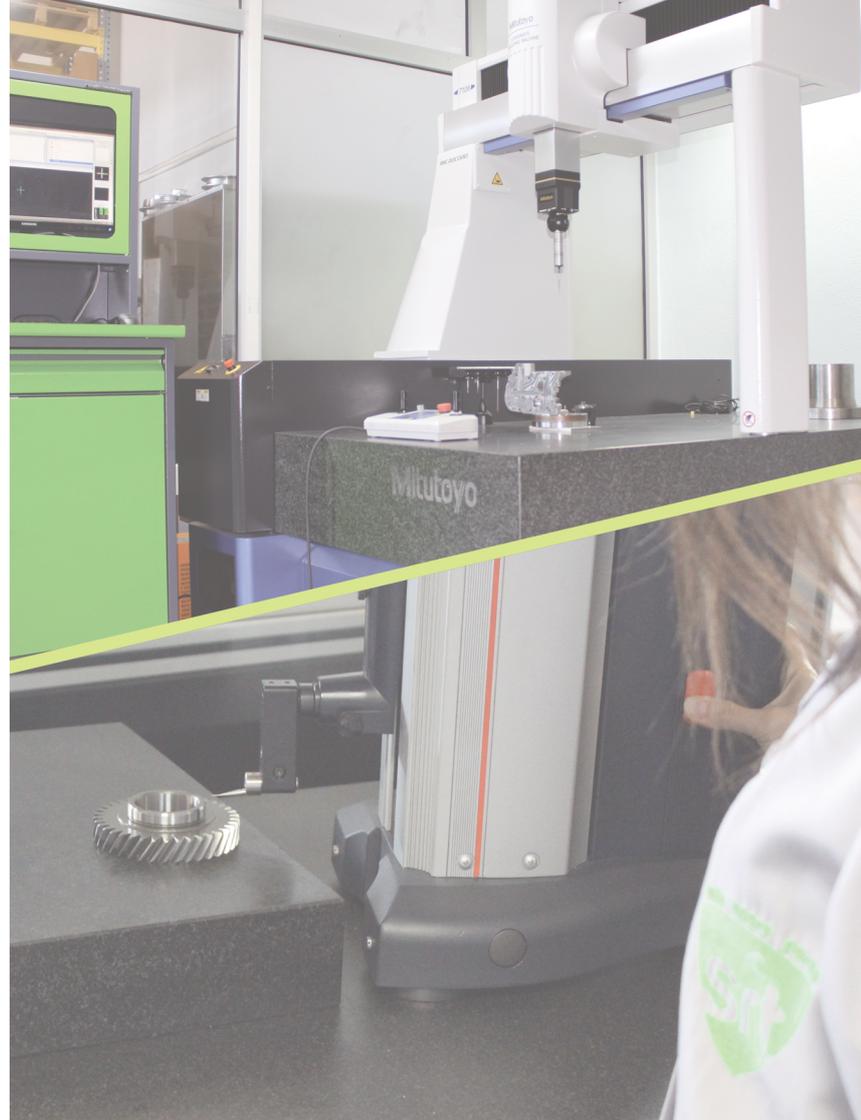
Repeatability,  $1,3 \mu\text{m}$

Gear profile measuring

Measuring Range, 0 - 972 mm

Measuring accuracy,  $(1.1+0.6L/600) \mu\text{m}$

Repeatability,  $0.4 \mu\text{m}$



# QUALITY CONTROL Gear Measurements

## Machine List

Klingenberg PNC33

## Capabilities

Max. Measuring Diameter, 330 mm

Max. Module, 15

Min. Module, 0,5

Following measurements are available for cylindrical gears;

- Gear Profile
- Gear Lead
- Tooth to tooth spacing
- Index
- Runout

Hob Measurements



## QUALITY CONTROL Other Stations

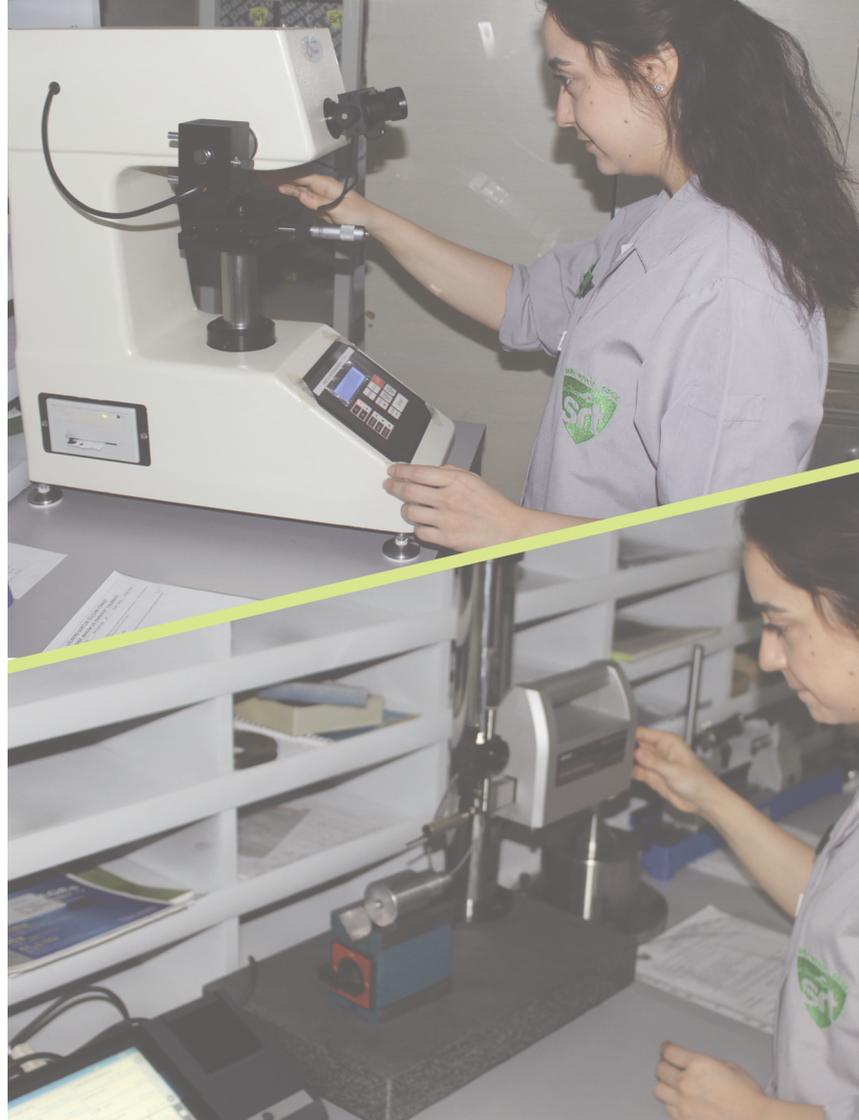
### Machine List

Accretech Surfcom Touch 50  
Hardness Testing Machine - Vickers  
Shrink Fit Testing Machine

### Capabilities

Evaluation length, 0.1 to 50 mm  
Straightness accuracy, 0.3  $\mu\text{m}/50\text{ mm}$

Simulating the same conditions shown  
in the technical drawings or comparing  
the conditions with the sample gears  
about shrink fitted or welded parts.



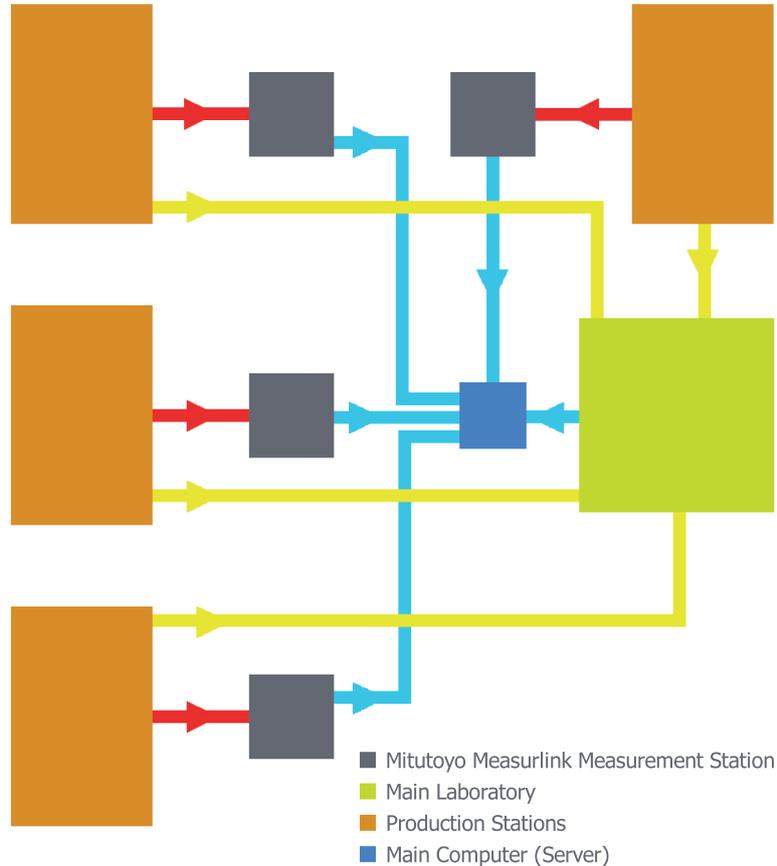
# QUALITY CONTROL General System

As a ISO 9001:2015 certified company SRT performs all the requirements of ISO 9001. And as a candidate TS16949 certified company we perform the following processes in our factory since 2018.

- FMEA - Failure Mode Effect Analysis
- SPC - Statistical Process Control
- MSA - Measurement System Analysis
- APQP - Advanced Product Quality Planning
- PPAP - Production Part Approval Process

In order to reach perfect results from these processes we use Mitutoyo Measurlink Quality Control Software in our factory.

The **Mitutoyo Measurlink Quality Control System** is explained at the diagram which is located right side.



— Way to Measuring Station for Production Parts\*

— Way to Main Laboratory for Production Parts\*

— Way to Server from Measuring Stations for Measurements

\*The parts are following yellow flows or red flows according to the required measurement tools.

# SALES & MARKETING



## Europe

Albania  
Belgium  
Bulgaria  
Croatia  
Czech Republic  
Denmark  
France  
Germany  
Hungary  
Italy  
Lithuania  
Netherlands  
Poland  
Portugal  
Russia  
Slovakia  
Spain  
Sweden  
Ukraine  
United Kingdom

## Middle East

Israel  
Palestine

## Africa

Algeria  
Morocco  
Nigeria  
South Africa  
Tunisia





Thank you for your time