



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.



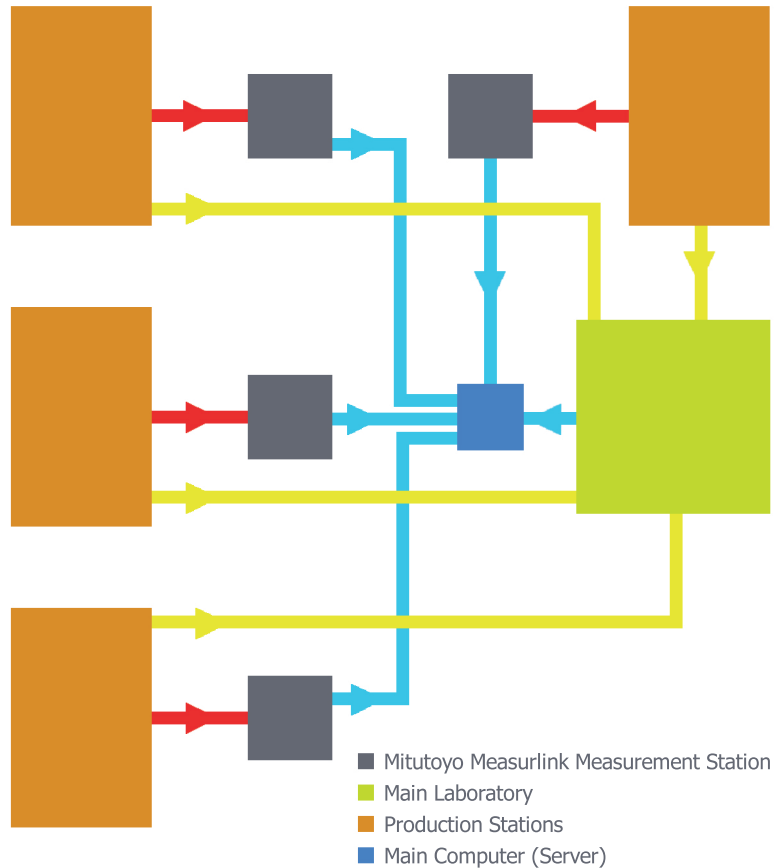
QUALITY CONTROL General System

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





Thank you for your time