

YÜKSEL MAKİNA

SANAYİ VE TİCARET A.Ş.



2023

Table of Contents

| | |
|---|----|
| Our History and Milestones | 03 |
| Core Business | 06 |
| Machine Park | 07 |
| Organization Profile and Core Tools | 14 |
| YMS Score Card - Lean Production Table | 15 |
| Quality Control Laboratory | 16 |
| Main Skills - Company Commitments | 18 |
| Major Customers - Product Samples | 19 |
| MP&L Applications - Production Applications | 27 |
| Raw Material Suppliers | 30 |
| Quality Certificates & Awards | 31 |
| Images From Our Factory | 37 |
| Contact | 42 |

Our History and Milestones

- **1984** - Founded by Mustafa Yüksel.
- **1986** - Serial production of turned parts started.
- **1986** - We became a certified supplier of Türk Traktör A.Ş. (the leading tractor manufacturer in Turkey) and DemirDöküm A.Ş. (one of the leading heating groups in Turkey).
- **1988** - We became a certified supplier of Arçelik A.Ş. (the leading white goods company in Turkey).
- **1991** - We moved to a new building of 1000 m².
- **1992** - The production capacity for DemirDöküm A.Ş. reached to 30,000 parts / day with JIT system.
- **1992** - First CNC lathe was added to our machine park.
- **1992** - We became one of the biggest suppliers of Türk Traktör and DemirDöküm based on annual production value.
- **2000** - We built a new factory of 3000 m² indoor and 20,000 m² outdoor area in Eskişehir Organized Industrial Zone.
- **2002** - We became a certified supplier of Robert BOSCH A.Ş. located in Manisa / Turkey.
- **2003** - **ISO 9001:2000** quality certificate was given to our company.
- **2004** - We became a certified supplier of Ford Otomotiv A.Ş. in Turkey.



Our History and Milestones

- **2005 - TS 16949:2002** quality system certificate was given to our company.
- **2005** - Exportation of turned parts to France, England for BOSCH Thermotechnik and Brazil for New Holland started.
- **2006 - ISO 14001:2004** environmental system certificate was given to our company.
- **2006** - We received **Q1 Quality Award** by Ford Global Motor Company for Automotive Industry.
- **2006** - We became a certified supplier of Delphi Diesel Systems located in İzmir / turkey.
- **2006** - Global supplier cooperation agreement with BBT Group was made.
- **2009** - We became a certified supplier of Karsan A.Ş. (Peugeot Commercial Vehicles).
- **2013** - We started working with NSK for brass parts that are used in sanitary taps and bathroom accessories.
- **2013** - Contracts with Viessmann Group and Vaillant Group were made.
- **2014** - We became a certified supplier of Bosch GmbH Wernau, Deventer, Worchester, Tranås, Aveiro and Engels.



Our History and Milestones

- **2016** - We became a certified supplier of BSH (Çerkezköy / China), PRETTL (Turkey) and SMEG (Italy).
- **2017** - First 6-spindle CNC lathe was added to our machine park.
- **2018** - We became a certified supplier of Stackpole International, Pakkens, Bemas and Bosch China.
- **2018** - **ISO 9001:2015** quality system certificate was given to our company (re-certification).
- **2018** - **ISO 14001:2015** environmental system certificate was given to our company (re-certification).
- **2018** - **IATF 16949:2016** quality system certificate was given to our company (re-certification).
- **2019** - We became a certified supplier of Torun Bakır Alaşımları A.Ş.
- **2020** - We became a certified supplier of Mercedes Benz Türk A.Ş.
- **2022** - With the completion of the additional building construction, the indoor area of our factory has expanded to 8000 m².
- We had **over 850** different parts in our product portfolio at the beginning of 2022.



Core Business

Our company has been dealing with machining processes for more than 30 years of time.

We produce turned parts by serial production using CNC Lathes with bar feeders.

Our CNC Lathes are capable of bar turning starting from 5 mm up to 42 mm in diameters.



We also can use our lathes as a conventional CNC lathe for bigger parts both in diameter and length as well.

Our Mori-Seiki machines are capable of turning up to 400 mm diameter whereas they can turn up to 300 mm in length.

A 6-spindle INDEX MS40 machine and C-axis machines are also available in the machine park to machine even more complex, critical and high volumed parts requiring extra drilling and milling operations.

2 heads-2 turrets C-axis CNC Lathes make it easier to produce more complex parts for backwork and precise dimensions with Y-axes lathes

Also with single spindle index automatics, milling machines and revolver type automatics we produce flexible parts with high volumes.



Machine Park

- CNC Lathes with bar feeders (48)

(C-Y Axes - 2 turrets 2 heads - 6 Spindle) INDEX C100, Multispindle Index MS40C, Mori Seiki, Miyano, Gildemeister, Hyundai, Hwacheon brand CNC lathes

- Swiss Brown Type Machines with bar feeders (12)

- Universal Turning Lathes (3)

- Universal Milling Lathes (2)

- Revolver Type Lathes (5)

- Universal Drilling Machines (20)

- Automatic Drilling Machines (8)

- Miscellaneous Sawing Machines

- Miscellaneous Sharpening Machines

- Deburring Machines



Machine Park



Machine Park



Machine Park



Machine Park



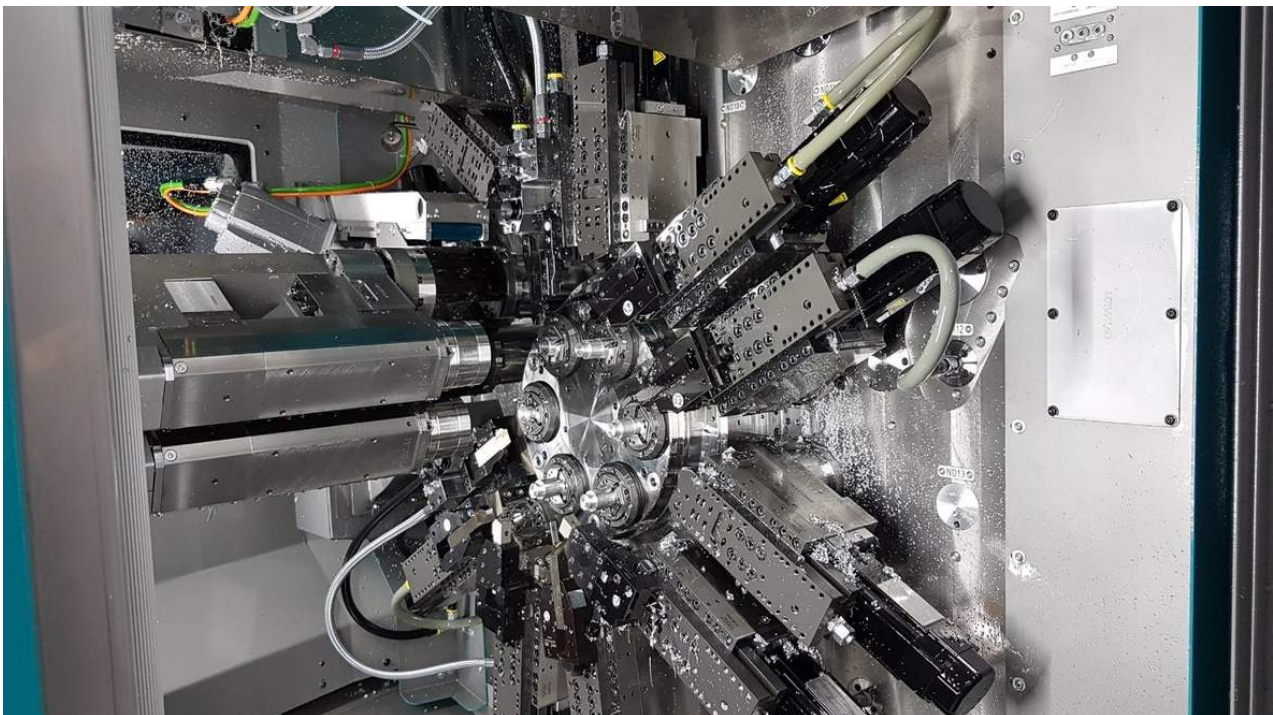
Machine Park



Machine Park



6-Spindle INDEX MS40C



Organization Profile and Core Tools

We have 70 employees.

In quality control department, we have 3 experienced mechanical technicians.


Our employees have been chosen according to their experience in this field, and they are all specialized in machining and turning processes.


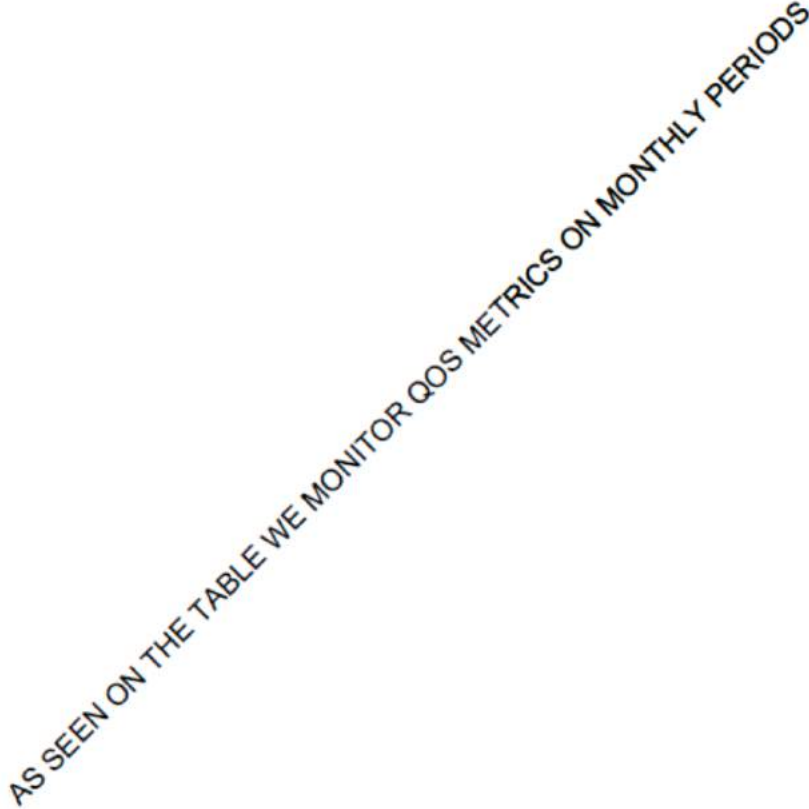










Also we periodically arrange technical trainings, on-the-job trainings, quality systems trainings and environmental & safety trainings for our employees.

FMEA, SPC , MSA, APQP, GLOBAL 8D, POKA-YOKE, 5S and LEAN PRODUCTION techniques have effectively been used in our company according to Q1 and customer specific requirements .

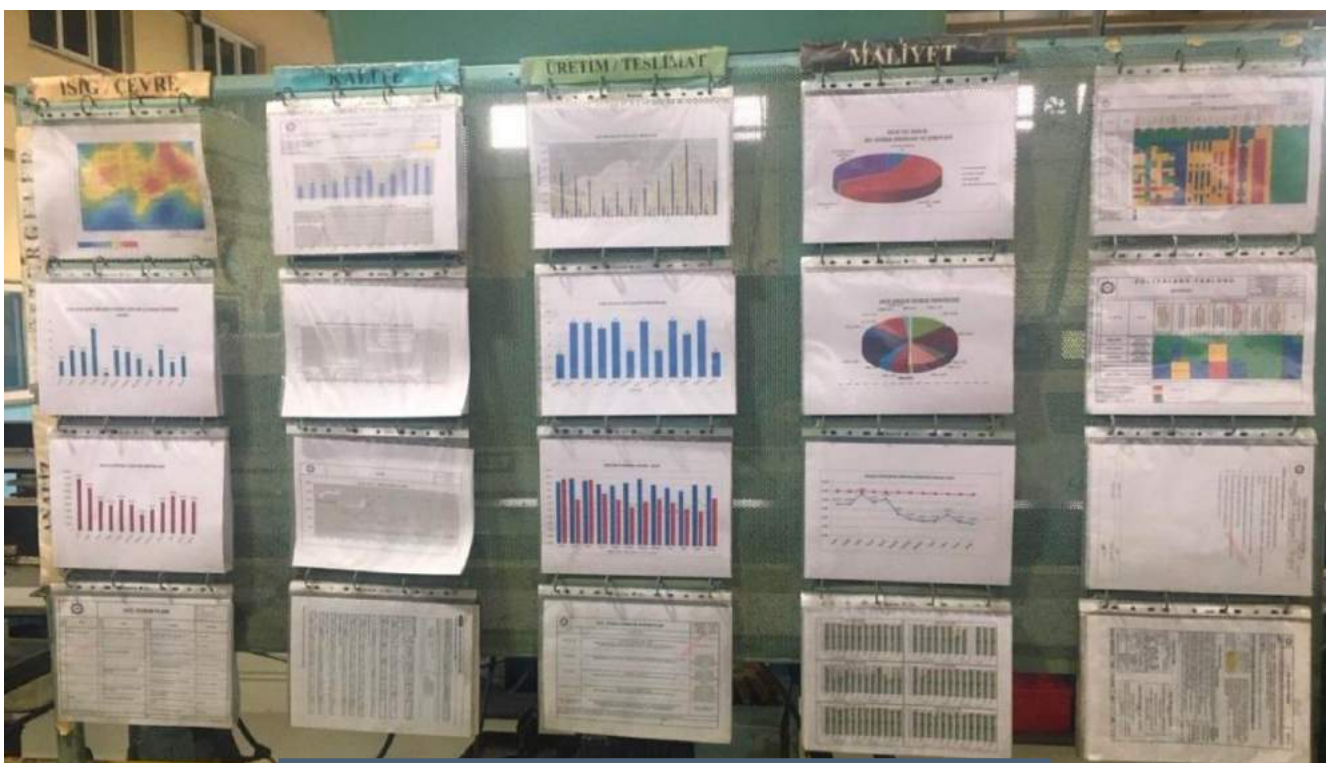


YMS Score Card


YMS SCORE CARD

| Segment | No | Metrics | Explanation / Unit | Target 2010 | APR 09 | MAY 09 | JUN 09 | JUL 09 | AUG 09 | SEP 09 | OCT 09 | NOV 09 | DEC 09 | JAN 10 | FEB 10 | MAR 10 | GRAPH |
|---|----|--------------------------------------|---|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| <div>  Q1 Quality Score 1.0 </div> | 1 | OEE | Calculated min. Value / % | 81% | <div>  </div> | | | | | | | | | | | | |
| | 2 | FTT | Average value / % | 99.80% | | | | | | | | | | | | | |
| | 3 | FORD External PPM (From Covisint) | Last 6 month PPM | max. 10 | | | | | | | | | | | | | |
| | 4 | Internal PPM | PPM | 5000 | | | | | | | | | | | | | |
| | 5 | On-time PSW | % | 100% | | | | | | | | | | | | | |
| | 6 | Q1 Score | # | min. 1000 | | | | | | | | | | | | | |
| | 7 | CPk | Number of points which settled down outside of the control limits | max. 3/1SPC | | | | | | | | | | | | | |
| <div>  </div> | 8 | Unplanned Machine Downtime | machine downtime / total work duration | max. 0.5 | | | | | | | | | | | | | |
| | | | 4046-2A1104A | | | | | | | | | | | | | | |
| | | | 8308-5A228-AA | | | | | | | | | | | | | | |
| | | | E 855296 | | | | | | | | | | | | | | |
| <div>  </div> | 9 | DTD | YCT-91845-CB | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <div>  </div> | 10 | Raw Material Utilization | # | 1 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <div>  </div> | 11 | Scrap Rate | % | 0.35% | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <div>  </div> | 12 | Training | Hours / Person | annual 15 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <div>  </div> | 13 | Absenteeism | Hours / Person | max. 4 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <div>  </div> | 14 | Personal Turnover | % | 2.5% | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <div>  </div> | 15 | Delivery Performance (From Covisint) | # | 100 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <div>  </div> | 16 | Energy Consumption | Energy Consumption Cost / Turnover % | 1.5% | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| <div>  </div> | 17 | Work Injuries | (# of Work Injuries / Total Work Duration) x200000 | 0 | | | | | | | | | | | | | |

Lean Production Table



Quality Control Laboratory

- CMM Mitutoyo Crysta Apex S544 (X: 500 mm, Y: 400 mm, F: 400 mm)
- Profile Projection Machine (Controlled with probe and computer)
- Hardness Measuring Machine (Micro - Vickers Mitutoyo Brand)
- Coating Thickness Measuring Device
- Granite Surface Plate
- Surface Roughness Measuring Device
- Miscellaneous Measuring Devices (Micrometers, Calipers, Gauges, etc.)





Main Skills

Our main skills are the combination of:

- Experienced and well-trained staff
- New and latest technologies and production machines
- Wide varieties both in dimensions and complex turned parts
- Precise measuring and well-trained quality control department
- Always using the best quality of raw materials
- And always trying to offer best prices with highest quality in the market.



Company Commitments

- Answering new RFQ's : 3 days
- Sample Part Producing: 1 weeks- 2 weeks
 - New Parts Approval : 100%
 - Average PPAP Presentation : 8 weeks
- Flexibility on Prototyping and Changes : Max. 10 days
- Approximately 8,5 million parts delivered in 2021.



Major Customers

| | COMPANY NAME | PRODUCTS |
|------------|--|--|
| General | <ul style="list-style-type: none"> ✓ ROBERT BOSCH A.Ş MANISA PLANT-TURKEY ✓ U.K WORCESTER BOSCH GROUP ENGLAND ✓ E.L.M LEBLANC-FRANCE ✓ BOSCH THERMOTECHNIK GmbH-WERNAU ✓ BOSCH THERMOTECHNIK-DEVENTER-NETHERLAND ✓ BOSCH THERMOTECHNIK-AVEIRO-PORTUGAL ✓ BOSCH THERMOTECHNIK- TRANAS-SWEDEN ✓ BOSCH THERMOTECHNIK- ENGELS- RUSIA ✓ NSK ✓ BSH-ÇERKEZKÖY/CHINA ✓ PRETTL ✓ SMEG ✓ TORUN BAKIR ALAŞIMLARI | <p>MISCELLENOUS WATER HEATER PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> <p>MISCELLENOUS TURNED PARTS</p> |
| Automotive | <ul style="list-style-type: none"> ✓ TÜRK TRAKTÖR FAB.A.Ş ✓ FORD OTOSAN A.Ş ✓ KARSAN A.Ş ✓ ÜNVER GRUP A.Ş. ✓ STACKPOLE ✓ MERCEDES BENZ TÜRK A.Ş. ✓ CNH ITALIA | <p>Miscellaneous turned tractor parts.</p> <p>Miscellaneous turned truck and car parts.</p> <p>Miscellaneous turned truck and car parts.</p> <p>Miscellaneous turned truck and car parts.</p> <p>Pump rotor part</p> <p>Miscellaneous turned bus parts.</p> <p>Miscellaneous tractor parts.</p> |



Product Samples



Stackpole International - Pump Rotor Part



A collection of various stainless steel mechanical components, including rods, bolts, nuts, and flanges, arranged on a white background. The components include a long rod with a flange, a shorter rod with a hole, a hexagonal rod, a small bolt, a nut, a flange, a hexagonal nut, and a small pin.

[illegible]

Product Samples



Product Samples



Product Samples



Product Samples



Product Samples



MP&L Applications

We use an ERP program which is specially designed for automotive sector for production, planning and managing logistics programs.

We receive customer orders through internet automatically without hand input.



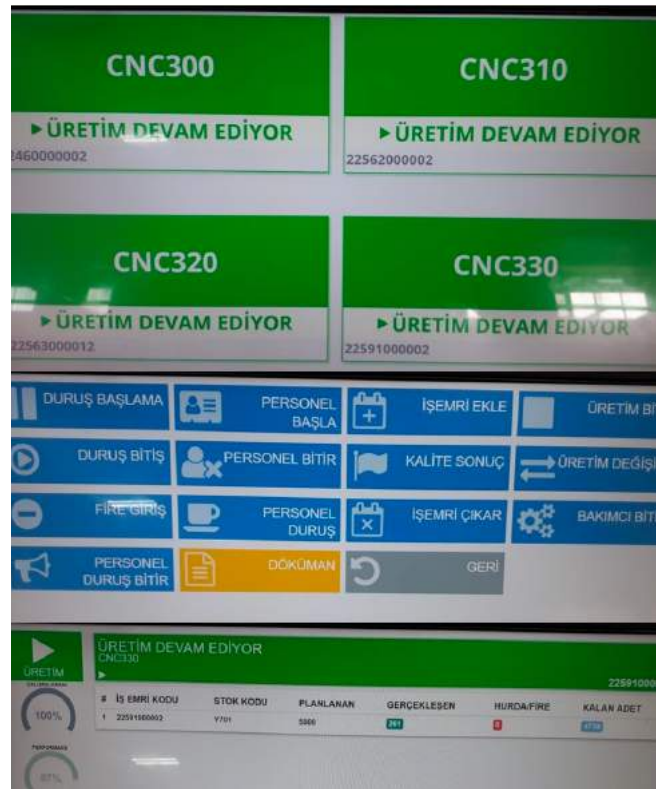
Production Applications

We have set up infrastructure of the IPM system in 2019. Since 2020, we have been using the system effectively. It is integrated with our ERP system.

With this system, automatic and instant data collection from production such as OEE accounts, production and scrap quantity tracking, productivity calculation and tracking can be done automatically.



Production Applications



Raw Material Suppliers

Our company always uses the finest quality steel and brass bars available in the market for production.

We use materials with inspection certificates according to EN 10277-1:2008 class 3 for surface quality.

Our main raw material suppliers ;

- STEELTEC ÇELİK A.Ş. - KOCAELİ (SCHMOLZ+BICKENBACH GROUP)
- BİMEKS ÇELİK - İSTANBUL (TÜRKiYE - ITALIAN RODACCIAI COMPANY'S PARTNER)
- SARBAK METAL A.Ş - İSTANBUL
- MES METAL A.Ş. - İSTANBUL



Quality Certificates & Awards

IATF 16949:2016



CERTIFICATE

Management system as per
IATF 16949:2016
(1st edition, 2016-10-01)

Evidence of conformity with the above standard has been furnished and is certified for

Yüksel Makina San. ve Tic. A.Ş.
Organize Sanayi Bölgesi, Teknoloji Bulvarı, No: 5
26110 Eskişehir
Turkey

Scope

Manufacturing of machined metal parts
without product design responsibility (according to section 8.3)

IATF Registration No. 0417467
Certificate Registration No. 44 111 071787

Issue date: 2021-08-13
Expiry date: 2024-08-12


Certification body
at TÜV NORD CERT GmbH

Essen, 2021-08-13

This certification was conducted in accordance with the IATF „Rules for achieving and maintaining IATF recognition”.
Validity can be verified at <https://www.tuv-nord.de/de/unternehmen/zertifizierung/zertifikatsdatenbank>.

TÜV NORD CERT GmbH Langemarkstraße 20 45141 Essen www.tuv-nord-cert.de



02-IAO-QMC-01021

page 1/1

A13F201e rev. 01/03.19



Quality Certificates & Awards

ISO 9001:2015

TÜV NORD

CERTIFICATE

Management system as per
ISO 9001 : 2015

In accordance with TÜV NORD CERT procedures, it is hereby certified that

Yüksel Mak. San. Ve Tic. A.Ş.
Organize Sanayi Bölgesi, Teknoloji Bulvarı, No 5,
TR-26110 Eskişehir,
Turkey



applies a management system in line with the above standard for the following scope

**Manufacturing, sales and marketing of machined metal parts for
miscellaneous purposes of usage**

Certificate Registration No. 44 100 063639
Audit Report No. TR 655

Valid from 2021-08-31
Valid until 2024-08-30
Initial certification 2005


Certification Body
at TÜV NORD CERT GmbH

Istanbul, 2021-08-31

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuev-nord-cert.com

 
Deutsche
Akkreditierungsstelle
D-ZM-12007-01-00



Quality Certificates & Awards

ISO14001:2015



CERTIFICATE

Management system as per
ISO 14001 : 2015

In accordance with TÜV NORD CERT procedures, it is hereby certified that



Yüksel Makina San. ve Tic. A.Ş.
75. Yıl OSB Mahallesi, Savaş Özaydemir Teknoloji Bulvarı, No 5, Odunpazarı,
TR-26110 Eskişehir,
Türkiye

applies a management system in line with the above standard for the following scope

Production of machined metal parts for various use

Certificate Registration No. 04 104 030432
Audit Report No. TR 655

Valid from 2021-06-09
Valid until 2024-06-08
Initial certification 2003



Certification Body
at TÜV NORD CERT GmbH

Istanbul, 2021-05-09

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuva-nord-cert.com



Deutsche
Akreditierungsstelle
© 2017 TÜV NORD

27229



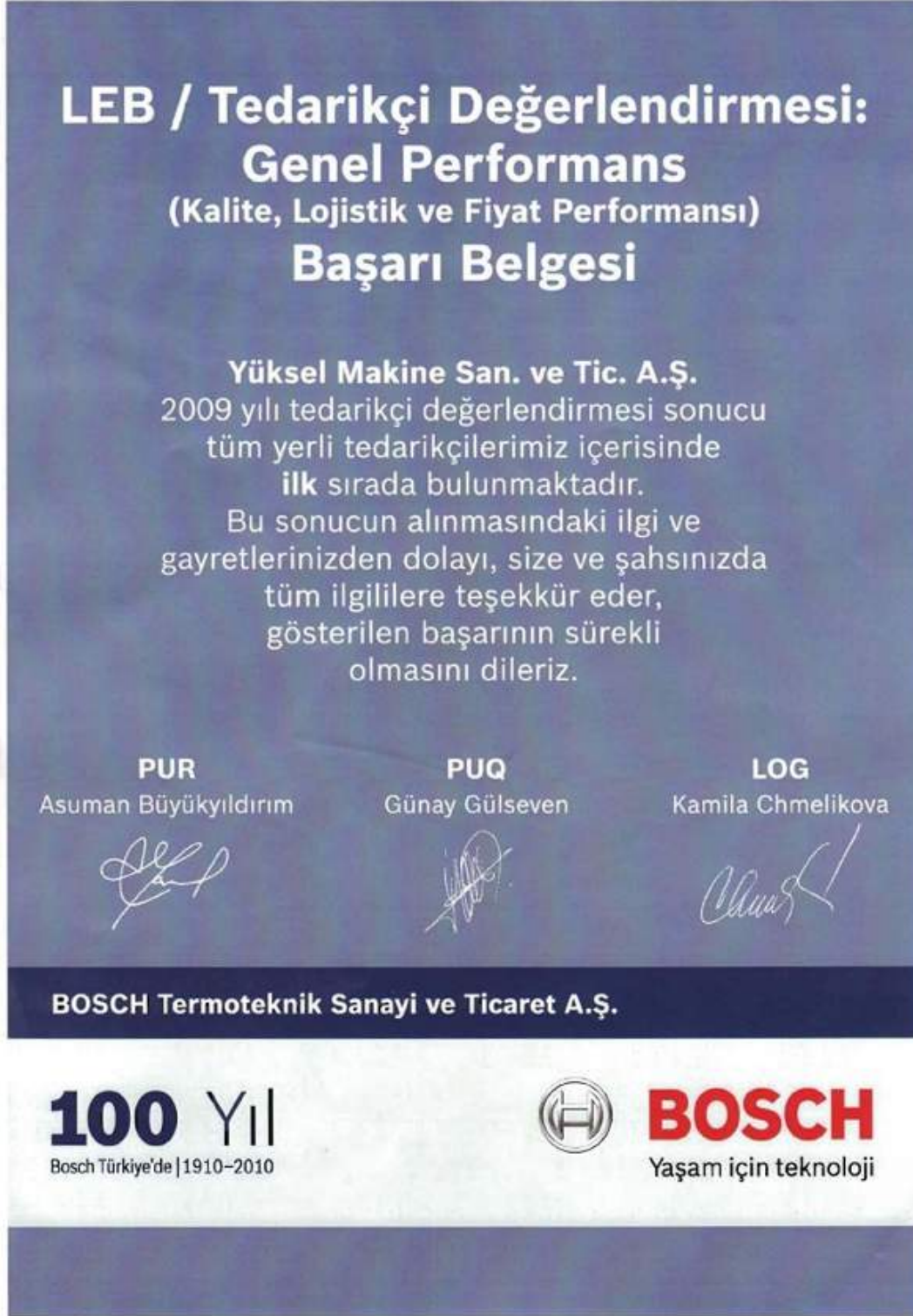
Quality Certificates & Awards



BOSCH Best Supplier Quality Award



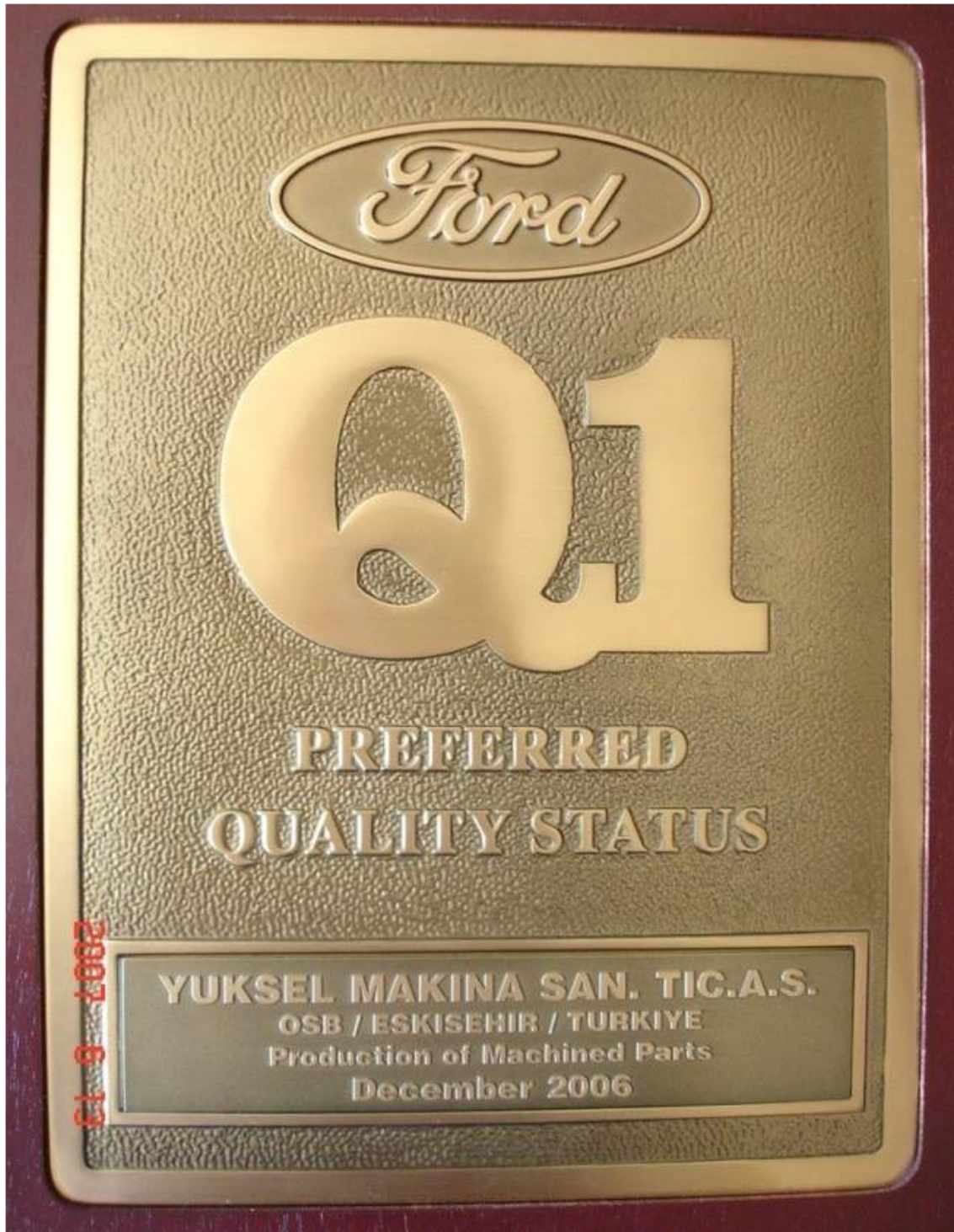
Quality Certificates & Awards



BOSCH Best Supplier Award



Quality Certificates & Awards



FORD Q1 Award



Images From Our Factory



Images From Our Factory



Images From Our Factory



Images From Our Factory



Images From Our Factory



Contact

Yüksel Makina Sanayi ve Ticaret A.Ş.

Savaş Özaydemir Teknoloji Bulvarı

No:5 26110

Eskişehir / Turkey

Tel: +90 222 236 15 21 Fax: +90 222 236 15 30

www.yukselmakina.com.tr

HALİM YÜKSEL

General Manager

hyuksel@yukselmakina.com.tr

+90-222-236 15 21 / ext.14

MURAT BALKAN

Plant Manager

mbalkan@yukselmakina.com.tr

+90-222-236 15 21 / ext.15

MERVE ATİK

Administrative & Financial Manager

muhasabe@yukselmakina.com.tr

+90-222-236 15 21 / ext.11

SİNAN MERT

MP&L Manager

planlama@yukselmakina.com.tr

+90-222-236 15 21 / ext.23

ERCAN FİŞEKÇİ

Production Manager

uretim@yukselmakina.com.tr

+90-222-236 15 21 / ext.17

BAHADIR ERDOĞAN

Production Development Engineer

uretim1@yukselmakina.com.tr

+90-222-236 15 21 / ext.12

BUSE GEZMEZ

Quality Manager

bgezmez@yukselmakina.com.tr

+90-222-236 15 21 / ext.16

AYŞE GÖZDE YİRİK

Quality System Engineer

gyirik@yukselmakina.com.tr

+90-222-236 15 21 / ext.28



Thank you for your kind interest!
For more information,
Please feel free to contact us!



YÜKSEL MAKİNA
Sanayi ve Ticaret A.Ş

PRECISE TURNING & HIGH QUALITY
SINCE 1984

