



**YÜKSEL MAKİNA SANAYİ VE TİC A.Ş**



**‘ PRECISE TURNING AND HIGH QUALITY’**

**ESKİŞEHİR / TURKEY**

**2023**

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# Contact

**YÜKSEL MAKİNA SANAYİ VE TİCARET A.Ş**

**Organize Sanayi Bölgesi**

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MP&L Manager

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

# Our History

- 1984 —→ Established by Mr.Mustafa YÜKSEL.
  - 1986 —→ Serial production of turned parts in ESKİŞEHİR for big industrial groups
  - 1986 —→ Certified supplier of TÜRK FIAT TRAKTÖR A.Ş (The leading Tractor producer in TURKEY) and DEMİRDÖKÜM A.Ş (One of the leading heating group of TURKEY).
  - 1988 —→ Certified supplier ARÇELİK A.Ş (The leading white goods company in TURKEY)
  - 1991 —→ Its new building of 1000 m2
  - 1992 —→ The production capacity for DEMİRDÖKÜM A.Ş reached as 30.000 parts / day with JIT system
  - 1992 —→ First CNC lathe was added to our machine park
  - 2000 —→ New place of 20.000 m2 open and 3.000 m2 closed production plant in Industrial Area of ESKİŞEHİR
  - 2002 —→ Certified supplier ROBERT BOSCH A.Ş in MANİSA /TURKEY
  - 2003 —→ **ISO 9001:2000** quality system certificate
  - 2004 —→ Certified supplier of FORD OTOMOTİV A.Ş in TURKEY.
  - 2005 —→ **TS 16949:2002** quality system certificate
  - 2006 —→ **ISO 14001:2004** environmental system certificate
  - 2006 —→ **Q1 Quality Award** by Ford Global Motor Company for Automotive Industry
  - 2006 —→ Certified supplier of DELPHI DIESEL SYSTEMS Izmir Plant / TURKEY
  - 2006 —→ Global supplier cooperate agreement with BBT Group.
  - 2009 —→ Corporate agreement with KARSAN A.Ş. (Peugeot Commercial Vehicles)
  - 2005 —→ Turned parts to France, England for BOSCH Thermotechnic and to Brasil for New Holland
  - 2013 —→ NSK Sanitary taps and bathroom accessories company for brass parts.
  - 2013 —→ Contract with VIESSMANN Group and VAILLANT Group.
  - 2014 —→ Certified supplier of BOSCH GmbH Wernau, Deventer, Worchester, Tranas, Averio, Engels
  - 2016 —→ Certified supplier of BSH Çerkezköy/China, PRETTL, SMEG
  - 2017 —→ First 6-spindle CNC lathe was added to our machine park
  - 2018 —→ Certified supplier of STACKPOLE International/Pakkens/ Bemis / BOSCH China.
  - 2018 —→ **ISO 9001:2015** quality system certificate (re-certification)
  - 2018 —→ **ISO 14001:2015** environmental system certificate (re-certification)
  - 2018 —→ **IATF 16949:2016** quality system certificate (re-certification)
  - 2019 —→ Certified supplier of TORUN BAKIR ALAŞIMLARI A.Ş.
  - 2020 —→ Certified supplier of MERCEDES BENZ TÜRK A.Ş.
  - We have over 850 different parts in our product portfolio for the beginning of 2022.
- With the completion of the additional building construction in 2022, the indoor area has expanded to 8.000 m2.



# Core Business

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

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

Our CNC Lathes are capable of turn from bar work up to 42mm diameter (5mm to 42mm )

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 turn up to 400 mm diameter whereas they can turn up to 300 mm in length.

6 spindle machine and C-axis machines also available in the machine park to machine even complex parts requiring extra drilling and milling operations.

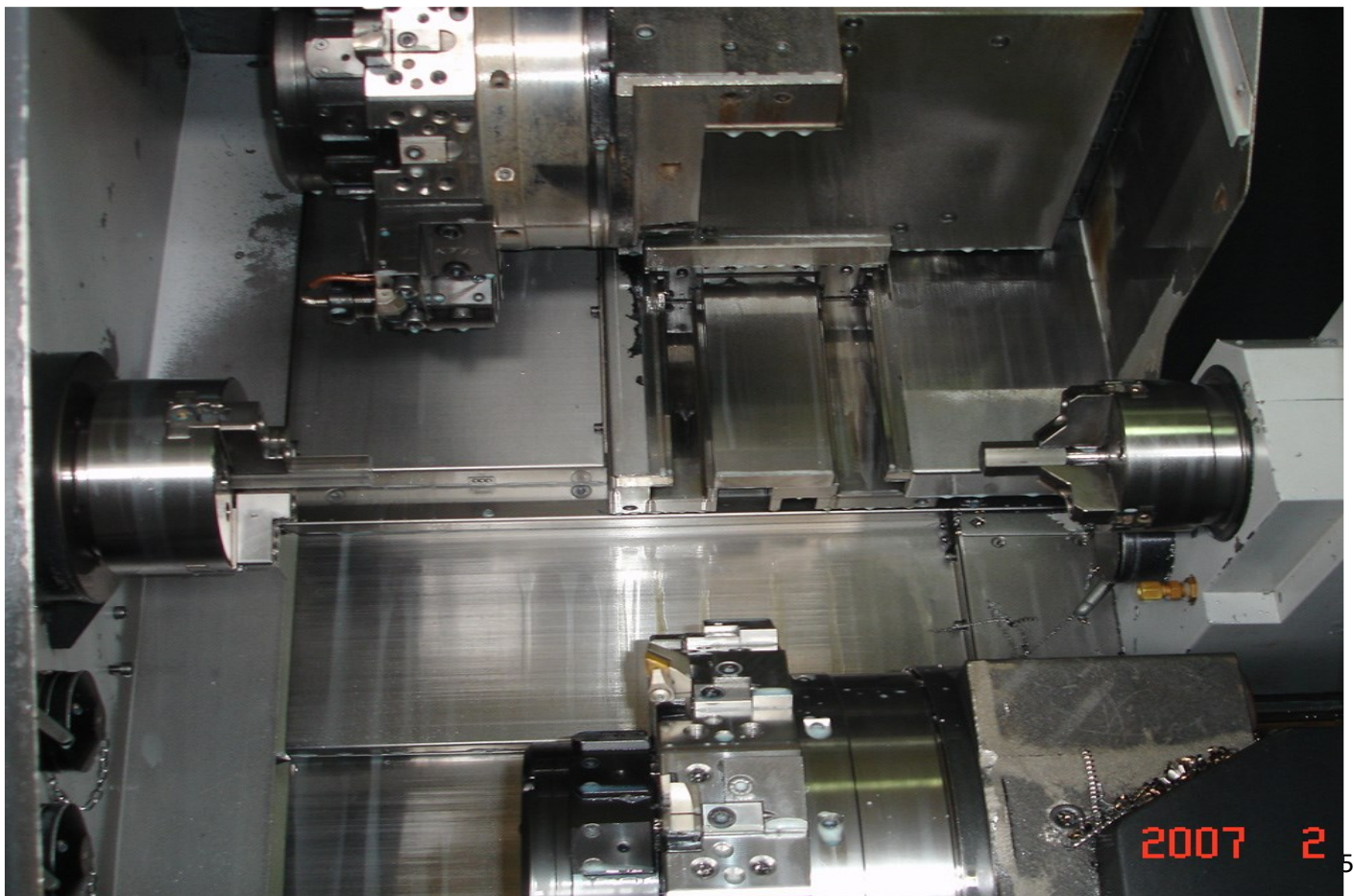
We do have also 2 heads-2 turrets C-axis CNC Lathe for even more complex parts for backwork and precise dimensions with Y-axes lathes

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 (50)  
( 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)
- ✓ (GERMANY-INDEX )
- ✓ UNIVERSAL TURNING LATHES (3)
- ✓ UNIVERSAL MILLING LATHES (2)
- ✓ REVOLVER TYPE LATHES (5)
- ✓ UNIVERSAL DRILLING MACHINES (20)
- ✓ AUTOMATIC DRILLING MACHINES (8)
- ✓ MISCELLENEOUS SAWING MACHINES
- ✓ MISCELLENEOUS SHARPENING MACHINES





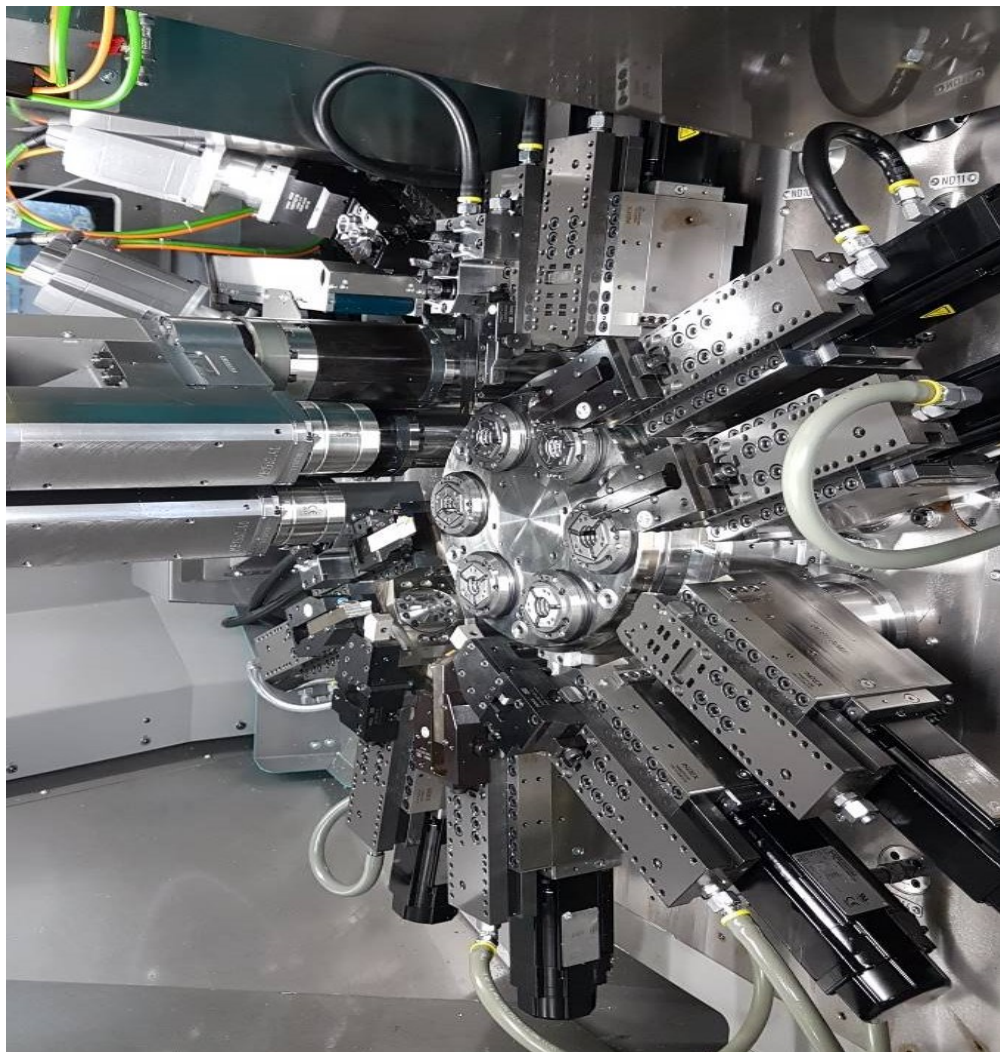












**6 SPINDLE INDEX MS40C CNC MACHINE**

# Organization Profile & Core Tools

We have 70 employees.

In quality control department we have 3 experienced mechanical technicians.

Our employees have been chosen according to the experience in this field, 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 .



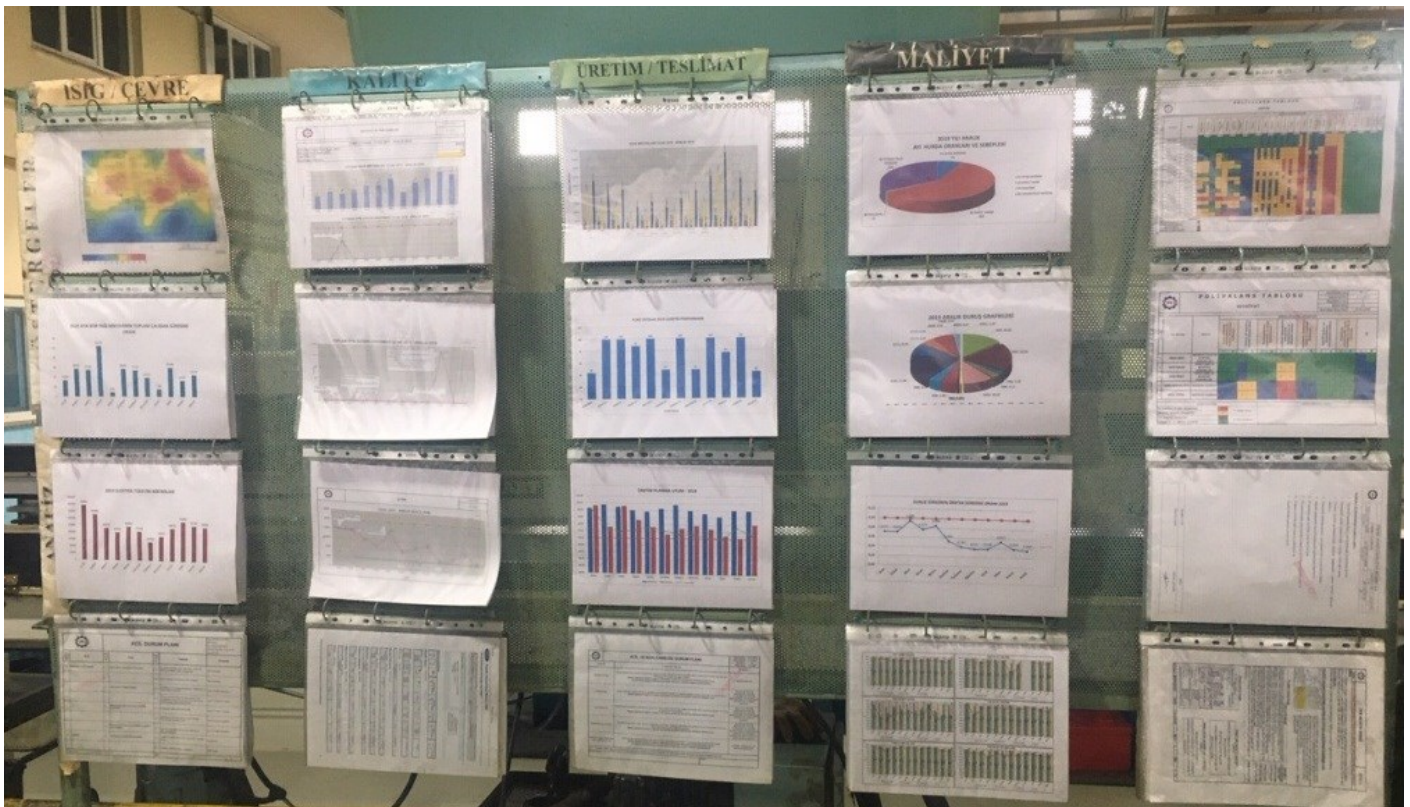


# YMS Score Card


**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   |  |  |  |  |  |  |  |  |  |  |  |
|---|----|--------------------------------------|---|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--|--|--|--|--|--|--|--|--|--|--|
|    | 1  | OEE                                  | Calculated min. Value / %   | 81%         | <div>AS SEEN ON THE TABLE WE MONITOR QOS METRICS ON MONTHLY PERIODS</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 |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|    | 8  | Unplanned Machine Downtime           | machine downtime / total work duration                            | max. 0,5    |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   |    |                                      | 4C46-2A110-LA   |             |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   |    |                                      | 83DB-5A239-AA   |             |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   |    |                                      | E 855256  |             |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   | 9  | DTD                                  | YCT-8T845-CB  |             |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|    | 10 | Raw Material Utilization             | #   | 1           |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   | 11 | Scrap Rate                           | %   | 0,35%       |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   | 12 | Training                             | Hours / Person  | annual 15   |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   | 13 | Absenteeism                          | Hours / Person  | max. 4      |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   | 14 | Personal Turnover                    | %   | 2,5%        |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   | 15 | Delivery Performance (From Covisint) | #   | 100         |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|  | 16 | Energy Consumption                   | Energy Consumption Cost / Turnover %                              | 1,5%        |   |        |        |        |        |        |        |        |        |        |        |        |   |  |  |  |  |  |  |  |  |  |  |  |
|   | 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)  
COORDINATE MEASURING DEVICE
- ✓ PROFIL PROJECTION MACHINE  
( WITH PROBE AND COMPUTER CONTROLLED )
- ✓ HARDNESS MEASURING MACHINE ( HV – HRC )
- ✓ COATING THICKNESS MEASURING DEVICE
- ✓ SURFACE ROUGHNESS MEASURING DEVICE
- ✓ MISCELLENEOUS MEASURING DEVICES (Micrometers,Calipers,Gages,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

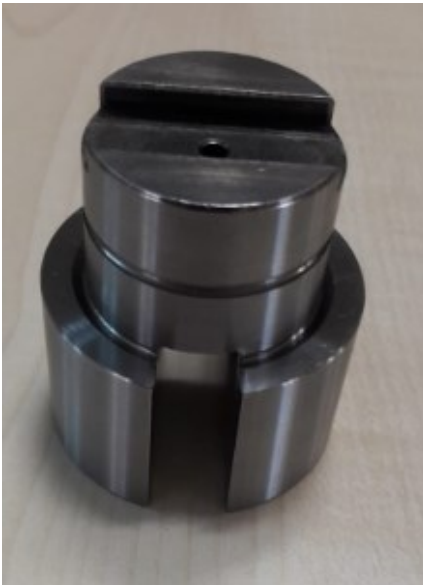


## Company Commitments

- 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

# Major Customers

|            | COMPANY NAME   | PRODUCTS  |
|------------|--|---|
| General    | <ul style="list-style-type: none"> <li>✓ ROBERT BOSCH A.Ş MANISA PLANT-TURKEY</li> <li>✓ U.K WORCESTER BOSCH GROUP ENGLAND</li> <li>✓ E.L.M LEBLANC-FRANCE</li> <li>✓ BOSCH THERMOTECHNIK GmbH-WERNAU</li> <li>✓ BOSCH THERMOTECHNIK-DEVENTER-NETHERLAND</li> <li>✓ BOSCH THERMOTECHNIK-AVEIRO-PORTUGAL</li> <li>✓ BOSCH THERMOTECHNIK- TRANAS-SWEDEN</li> <li>✓ BOSCH THERMOTECHNIK- ENGELS- RUSIA</li> <li>✓ NSK</li> <li>✓ BSH-ÇERKEZKÖY/CHINA</li> <li>✓ PRETTL</li> <li>✓ SMEG</li> </ul> | <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> |
| Automotive | <ul style="list-style-type: none"> <li>✓ TÜRK TRAKTÖR FAB.A.Ş</li> <li>✓ FORD OTOSAN A.Ş</li> <li>✓ KARSAN A.Ş</li> <li>✓ ÜNVER GRUP A.Ş.</li> <li>✓ STACKPOLE</li> <li>✓ MERCEDES BENZ TÜRK A.Ş.</li> </ul>   | <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>   |



**STACKPOLE INTERNATIONAL – IZMIR**  
Pump rotor part





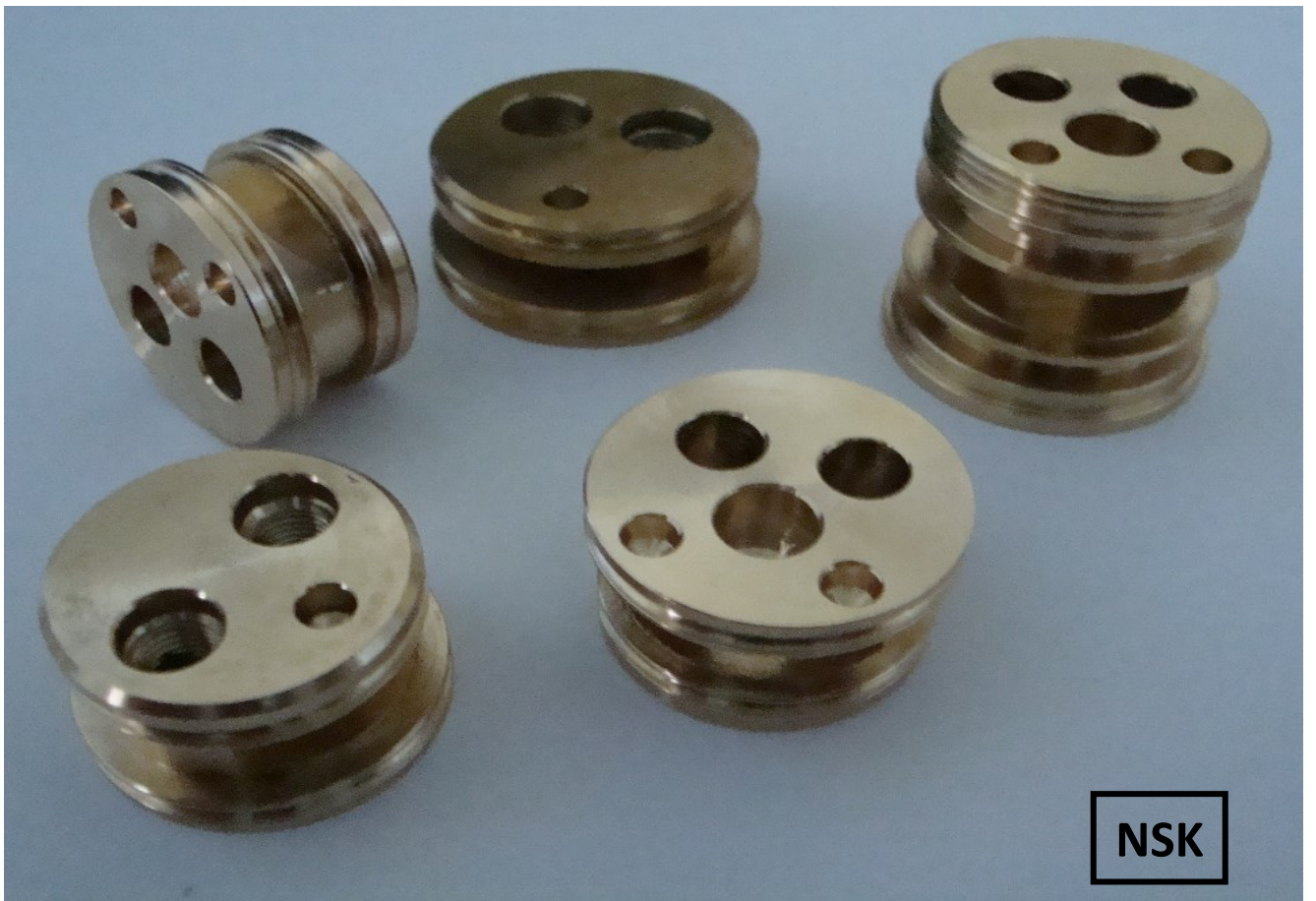
















**BOSCH - WERNAU**



**ELM LEBLANC - FRANCE**

## **TORUN BAKIR METAL – STAINLESS STEEL SPINDLE**



## **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.

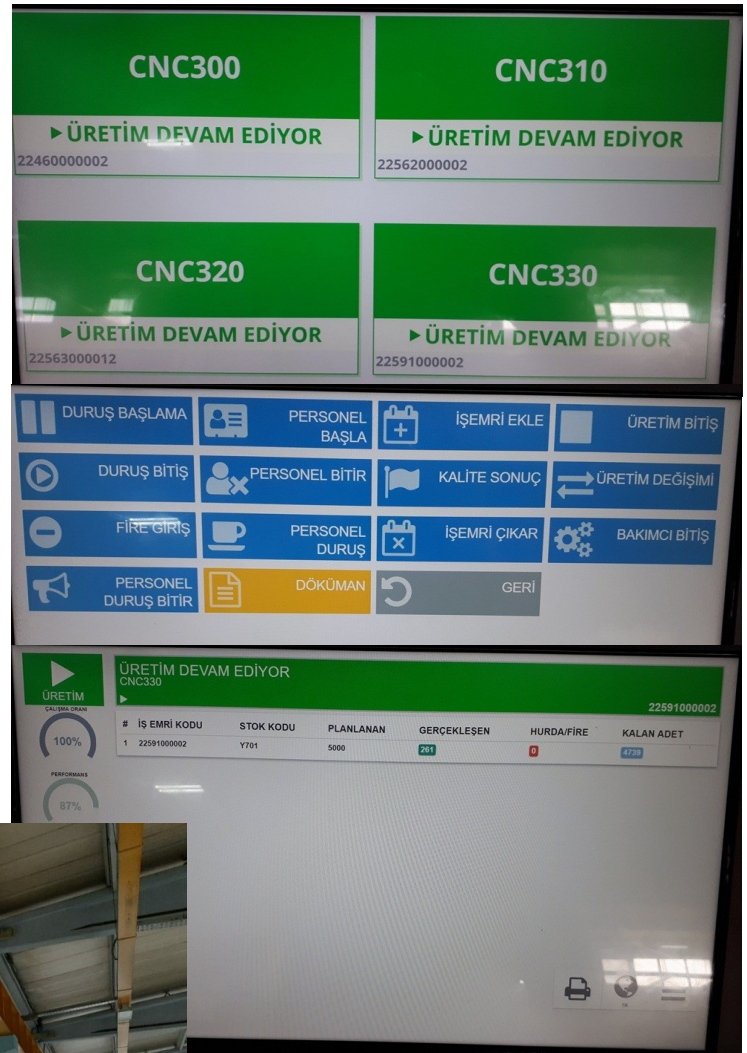




# Production Applications

We have set up infrastructure of the IPM system in 2019. In 2020, we are planning to activate the system effectively. It will be integrated with our ERP system.

The system, where automatic and instant data collection from production, OEE accounts, production and scrap quantity tracking, productivity calculation and tracking can be done automatically, started to operate.



# Raw Material Suppliers

Our company allways 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 ;

- SWISS STELL 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



Raw Material Stock Area

# Quality Certificates & Awards

## IATF 16949:2016



### CERTIFICATE

Management system as per  
**IATF 16949:2016**  
(1<sup>st</sup> 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](http://www.tuv-nord-cert.de)



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28141



# ISO 9001:2015



## 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](http://www.tuev-nord-cert.com)



Deutsche  
Akreditierungsstelle  
D-2M-12907-01-00

# 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  
TÜV NORD CERT GmbH

Istanbul, 2021-06-09

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

Lengemackstraße 20

45141 Essen

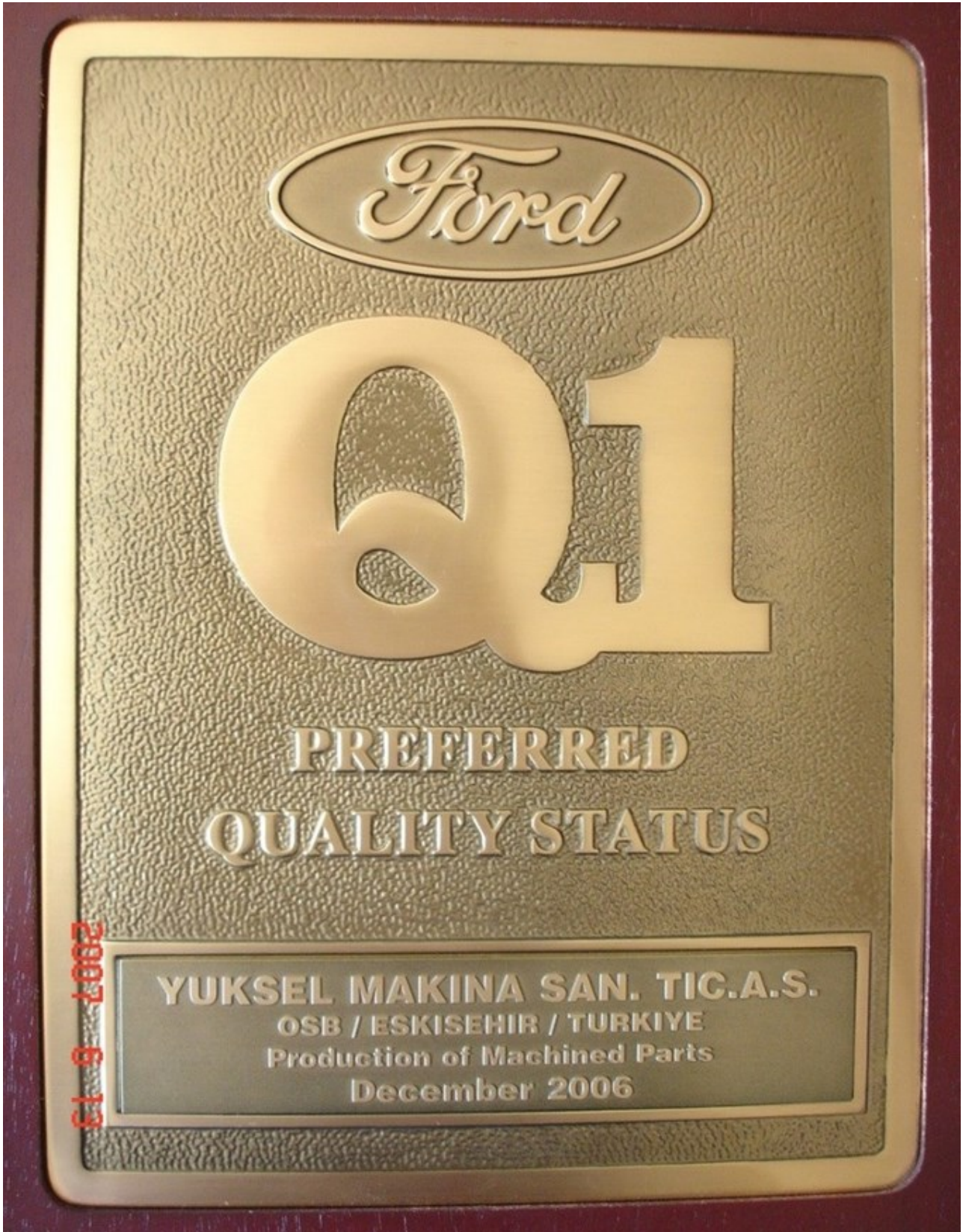
[www.tuv-nord-cert.com](http://www.tuv-nord-cert.com)



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## ***FORD Q1 Award***





# **BOSCH Best Supplier Award**

## **LEB / Tedarikçi Değerlendirmesi: Genel Performans (Kalite, Lojistik ve Fiyat Performansı) Başarı Belgesi**

### **Yüksel Makine San. ve Tic. A.Ş.**

2009 yılı tedarikçi değerlendirme sonucu  
tüm yerli tedarikçilerimiz içerisinde  
**ilk** sırada bulunmaktadır.

Bu sonucun alınmasındaki ilgi ve  
gayretlerinizden dolayı, size ve şahsınızda  
tüm ilgililere teşekkür eder,  
gösterilen başarının sürekli  
olmasını dileriz.

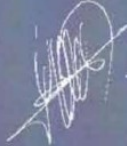
**PUR**

Asuman Büyükyıldırım



**PUQ**

Günay Gülseven



**LOG**

Kamila Chmelikova



**BOSCH Termoteknik Sanayi ve Ticaret A.Ş.**

**100 Yıl**

Bosch Türkiye'de | 1910-2010



**BOSCH**

Yaşam için teknoloji

# **BOSCH Best Supplier Award Quality**

## **LEB / Tedarikçi Değerlendirmesi: Kalite Performansı Başarı Belgesi**

### **Yüksel Makine San. ve Tic. A.Ş.**

2010 yılı tedarikçi değerlendirme sonucu,  
kalite performansı ile tüm yerli tedarikçilerimiz  
içerisinde **ilk 3** sıraya girmiştir.

Bu sonucun alınmasındaki ilgi ve  
gayretlerinizden dolayı, size ve şahsınızda  
tüm ilgililere teşekkür eder,  
gösterilen başarının sürekli  
olmasını dileriz.

**PUR**

Banu Güsar



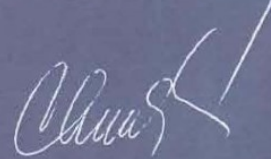
**PUQ**

Günay Gülseven



**LOG**

Kamila Chmelikova



**Bosch Termoteknik Sanayi ve Ticaret A.Ş.**



**BOSCH**

Yaşam için teknoloji



# *Performance*

















**THANK YOU FOR YOUR KIND INTEREST !**  
**FOR MORE INFORMATION**  
**PLEASE FEEL FREE TO CONTACT US!**

