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CINA OTOMOTIV MAKINA LTD. , established as a small repair - maintenance workshop by Mithat CINA in 1975, took place in manufacturing industry with high production capacity, by moving new location, in Eskisehir SME Organized Industrial Zone in 2010.

CINA serves its customers covered a 1500 m2 area in 2000 m2. CINA also started its 5000 m2 new factory investment.

CINA, which manages its works with the Quality Management System EN 9100:2018 AS9100 and ISO 9001 : 2015 .

Staff :

- **6 Engineers,**
- **2 Technicians,**
- **30 Operators,**
- **5 Inspectors**



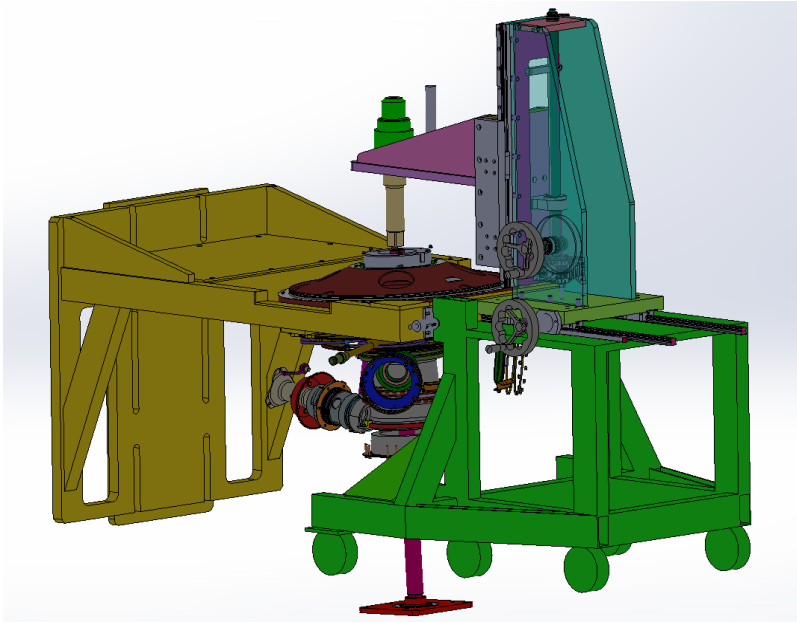
CINA, proud of being especially a member of defence and aviation industry and railway industry, with

- **Aircraft engine parts and other aircraft parts**
- **Helicopter engine parts and other helicopter parts**
- **Railway engine parts and other railway parts**
- **Manufacturing, Assembly and Test Fixtures**
- **Special machines,**
- **Machine parts,**

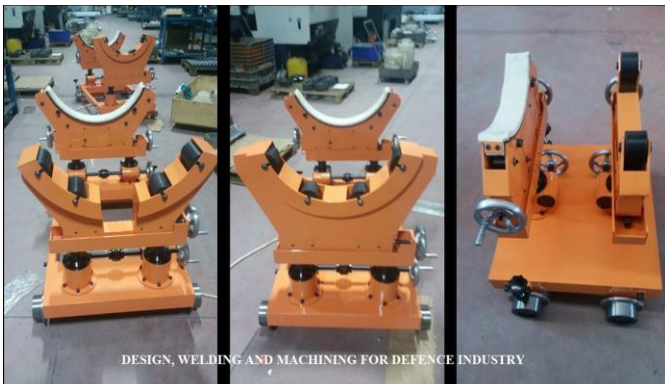
which applying quality process at every stage and being specialized in manufacturing.

Abilities

- Precision Machining
- Welding Construction
- Reverse Engineering and Design



CINA is able to design and manufacture special fixtures (assembly, machining, measurement fixtures) and special machines used in aviation, defence, rail systems and machinery sectors under the leadership of its experienced engineers who are experts in their major, analytical and solution-oriented thinking and having an understanding of innovation and closely following the technology.

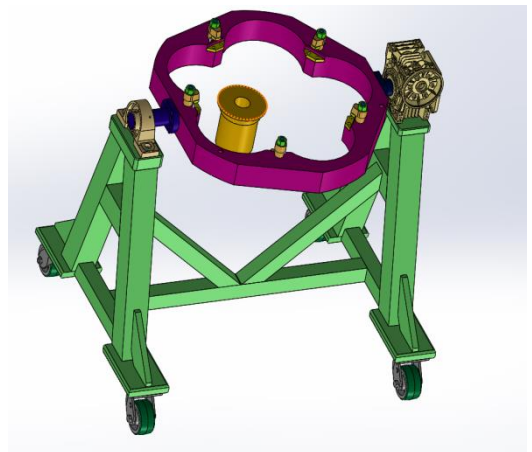
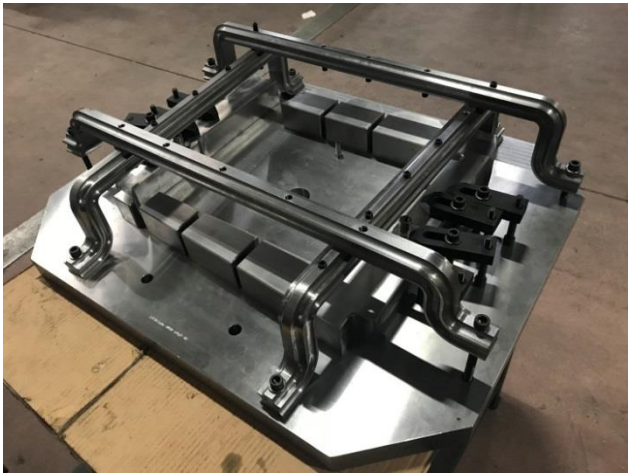




WELDING AND MACHINING FOR DEFENCE INDUSTRY



CINA, with integrating its design capability with precision production approach, provides special solutions in functionality, beside providing fast and accurate answers in customer designed machine and fixture production.





FIXTURES, MOLDS



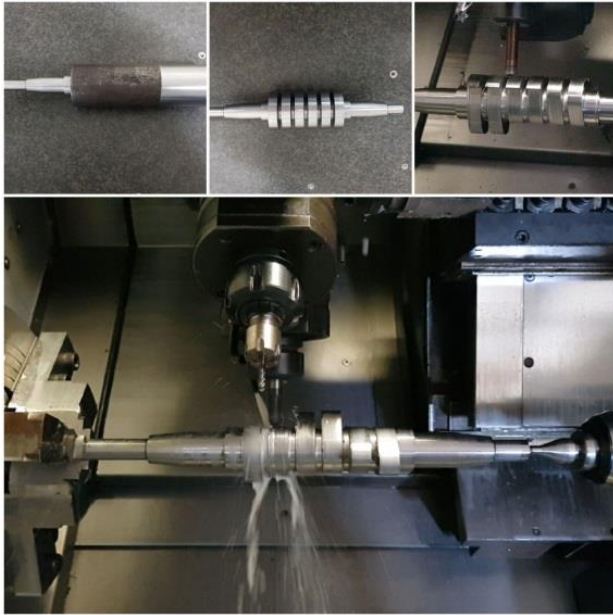
FOR AEROSPACE INDUSTRY



Ayın Çap : 450 mm
Çevirme Çap : 760 mm
İndikülleme : 15 derece
Ağırlık : 420 kg

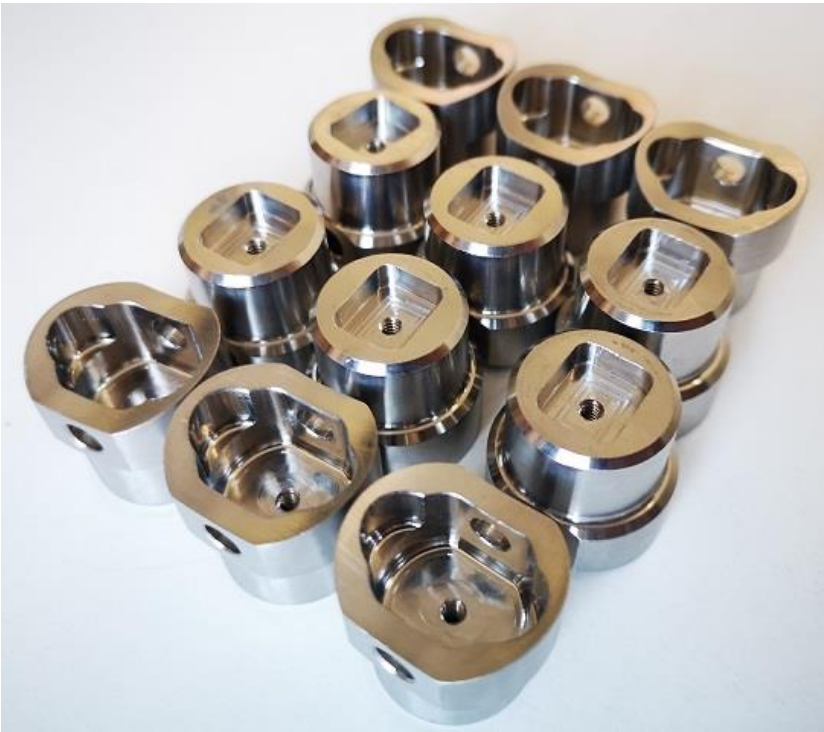
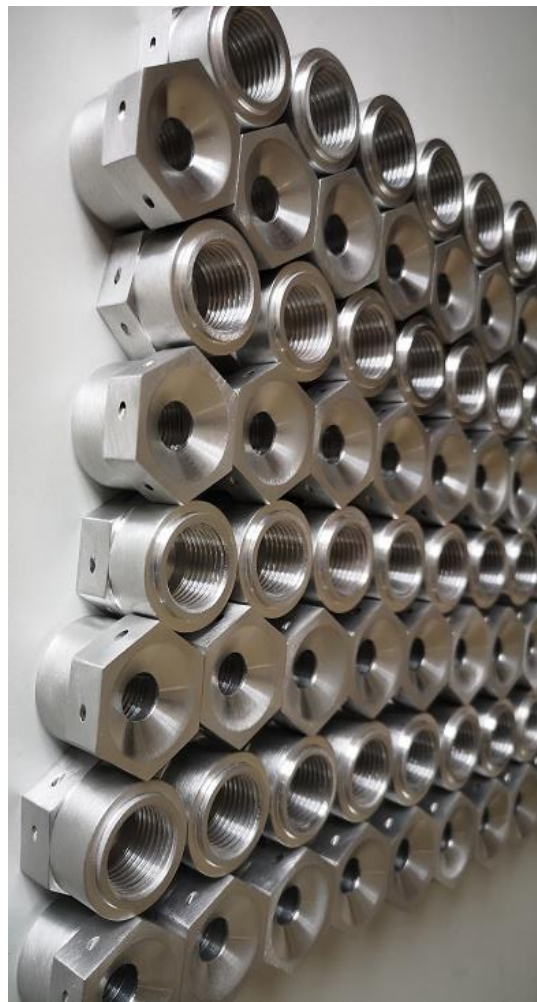


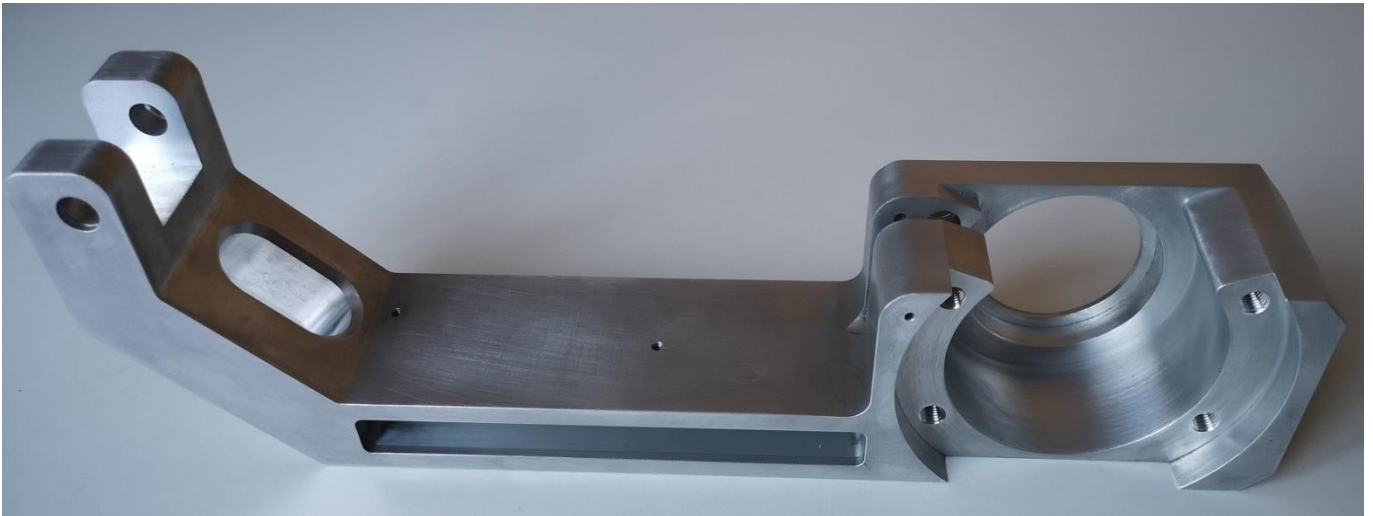
CINA executes design and machining programs with high precision machining experiences with various CAD-CAM applications as SOLIDWORKS, BobCAM, CAMWorks

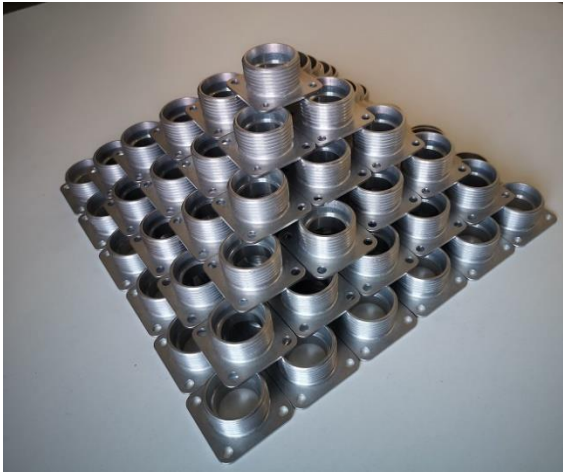


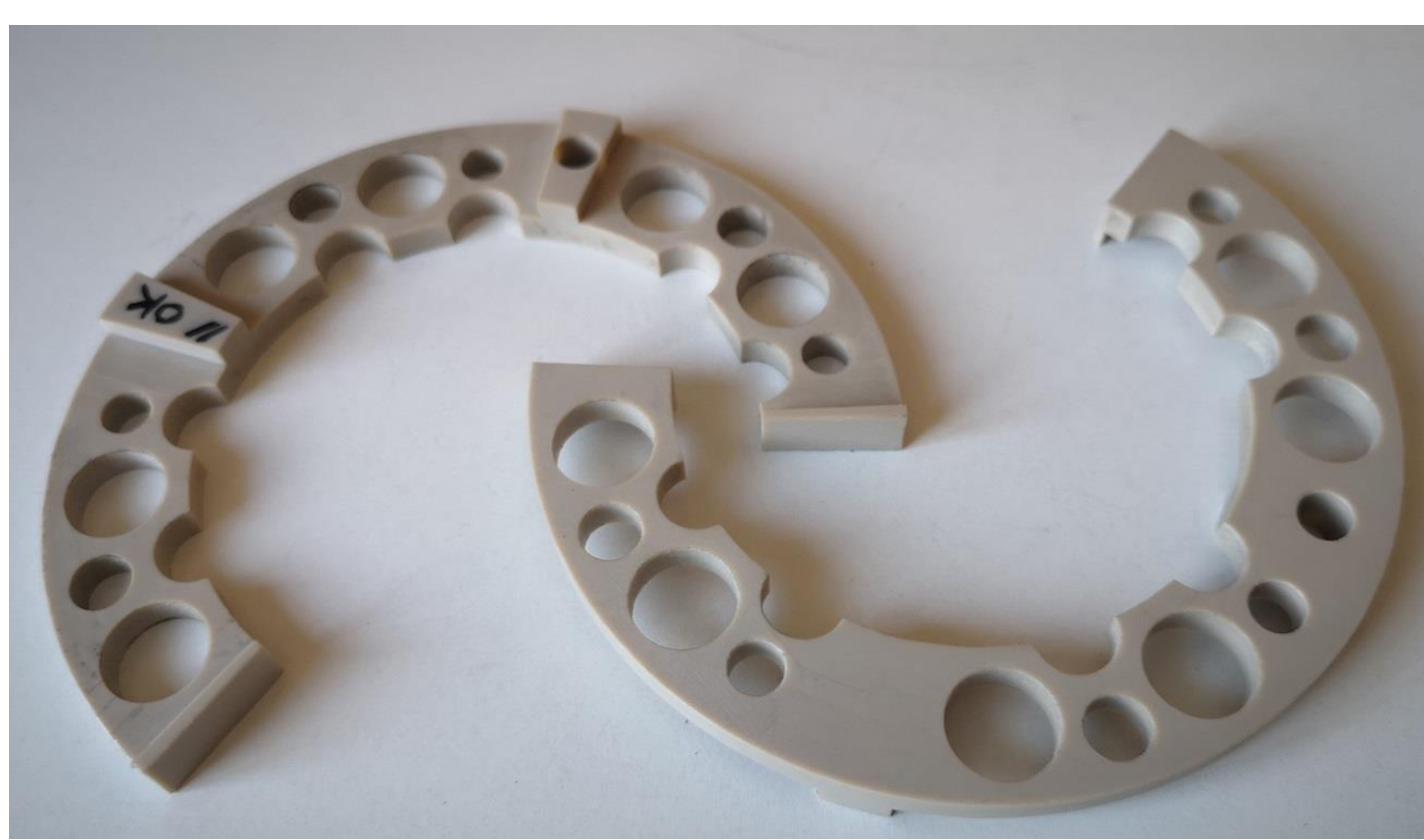
CINA has the ability to produce complex body and engine parts which are used in various aircraft, helicopters and UAV (unmanned aerial vehicles) with intellection of reproducible high precision.













CINA confirms its high precision manufacturing parts with CMM and Profile Projector Optical Measuring Instruments.

CINA can also perform reverse engineering applications with its 3D CMM device.



ÇINA continues its activities with the understanding of continuous improvement by constantly following the innovation, in order to provide service beyond the expectations of its customers and to produce effective and technological solutions in its field.



CINA, beside all these, produces approximate 250 different machine parts for various sectors monthly.











TUSAŞ MOTOR SANAYİ A.Ş.
TUSAŞ ENGINE INDUSTRIES INC.

Certificate of Approval

This certificate is issued to

ÇINA OTO. MAK. SAN. TİC. LTD. ŞTİ.

TEI in recognition that the quality assurance management system of
ÇINA OTO. MAK. SAN. TİC. LTD. ŞTİ. located in Eskişehir is in compliance with the requirements of
Tusaş Engine Industries, Inc.'s Quality Procedures and scope of supply detailed below

DP PROJECTS – MANUFACTURING
Machining

Approval No : 106262 / 108186

Approval Date : 19.09.2018 / 15.02.2019

This certificate, unless cancelled, suspended
or revoked, shall continue in effect until
31.12.2023

Erdem KUŞCU
Supplier Development Manager

Turgut AVCI
Quality Manager

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - EN 9100:2018 AND ISO 9001:2015

This is to certify that:

CINA OTOMOTIV MAKINA SAN.
TIC. LTD. STI.
108. CADDE NO:10
KOBI ORGANIZE SAN. BOLGESI
ESKISEHIR
26250
Turkey

Holds Certificate Number:

FM 754199

and operates a Quality Management System, which complies with the requirements of EN 9100:2018 (technically equivalent to AS9100D and JISQ 9100:2016) and ISO 9001:2015 and is assessed in accordance with EN 9104-001:2013 for the following scope:

Machining of structural parts and fixtures for the aerospace and defence industry.

For and on behalf of BSI:

Matt Page, Managing Director Assurance - UK & Ireland

Original Registration Date: 2021-12-03

Reissue Date: 2021-12-03

Issue Date: 2021-12-03

Expiry Date: 2024-12-02

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aerospace
sector
certification
scheme

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This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.

An electronic certificate can be authenticated [online](#).

Printed copies can be validated at www.bsigroup.com/ClientDirectory

MACHINERY

Machine Name	Model
CMM DEA GLOBAL (1000*700*500) PC-DMIS CAD++	2011
CONTOUR MEASURING STATION (MAHR MARSURF CD140 BG 12)	2020
DYNASCAN – PROFILE PROJECTOR OPTIC MEASUREMENT DEVICE	2016
MAHR PS 10 – SURFACE ROUGHNESS MEASURING DEVICE	2016
CNC VERTICAL MILLING CENTER KESSER DFM - 20 (2000*1000*900)	2013
CNC VERTICAL MILLING CENTER DOOSAN DNM650 (1270*670*630)	2012
CNC VERTICAL MILLING CENTER ARION IMM1100 (1100*600*600)	2015
CNC PALLET CHANGER VERTICAL MILLING CENTER ARION IMM860APC (860*560*560)	2015
CNC 5 AXIS MULTI TASKING TURNING 10'' MAZAK INTEGRIX I-200 (1000U) SmoothX (Ø658, LENGTH:1011)	2019
CNC LATHE DOOSAN PUMA GT 2100 B (Ø:390, LENGTH: 550)	2020
CNC C AXIS MILL TURN 10'' DOOSAN PUMA 280 M (Ø:410, LENGTH: 610)	2013
CNC LATHE 10'' TOPPER TNL 130 A (Ø:300, LENGTH: 600)	2008
CNC 4 AXIS MILL TURN 8'' DOOSAN LYNX 220 LYC (Ø:300, LENGTH: 510 C AND Y AXIS)	2018
CNC 4 AXIS MILL TURN 8''DOOSAN LYNX 220 LYC (Ø:300, LENGTH: 510 C AND Y AXIS)	2016
CNC LATHE 8'' DOOSAN LYNX 220B (Ø320, LENGTH: 305)	2013
UNIVERSAL LATHE ZMM-BULGARIA C11MSM (Ø620, LENGTH: 2000)	2006
UNIVERSAL MILLING MACHINE PEM PHOEBUS GEVS300AF	2005
SURFACE GRINDING MACHINE BLOHM SIMPLEX VDE0113(300*900*300)	1973
CYLINDRICAL GRINDING MACHINE TOS HOSTIVAR 2UdP2750 (Ø250*1000)	1977
AUTOMATIC BAND SAW KARMETAL KMT350 OSA (2 PCS)	2010
OVERHEAD CRANE GUCLU CRANE 10 TON	2008
UPS KEMSAN KPM33 100KVA	2010

REFERENCES

- **ALP AVIATION**
- **ARIKAN AUTOMOTIVE**
- **BOSCH ATMO8**
- **COSKUNOZ DEFENCE AND AVIATION**
- **ESALBA METAL**
- **ETI MAKINA**
- **KOKLUCE MAKINA**
- **TANATAR KALIP**
- **TUSAŞ – TEI (TUSAS ENGINE INDUSTRIES)**
- **TULOMSAS**



Çına Otomotiv Makina San. Tic. Ltd. Şti.
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