TOLSEL

Makina San. Tic. Ltd. Şti.

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Your Reliable Partner in Metalworking!



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www.tolsel.com


TOLSEL

ABOUT US

Since its establishment in 1986, our company has been serving in the heavy machinery sector.

Our vision since our establishment has been to serve with unconditional customer satisfaction by adhering to quality and standards.

With the understanding that our main boss during our services is the work itself, our experienced team and technological machinery park enable us to be known as a reputable subcontractor in the metal sector for machining.

Our areas of activity include: all kinds of industrial machinery, construction machinery and spare parts, mold components and subcontract manufacturing, press and automotive press industry, various auxiliary machinery manufacturing, spare parts and equipment production, manufacturing of factory and industrial materials, establishment of machinery-related facilities.

Project-based machining is carried out on 5-axis, 4-axis, 3-axis CNC vertical and horizontal machining centers.



Our customer-oriented approach, our ability to speak the language of our customers, our accurate and timely solutions, and ultimately our dynamic, competent, and well-trained technical team have made us your solution partner in machining parts for years.

As TOLSEL MAKİNA, we take pride in providing services with our constantly updated technology and well-trained technical team.

"The Art of Metal, Signature of Machining: TOLSEL MAKİNA"



ACTIVITY FIELDS

GENERAL MACHINERY INDUSTRY

Press Bodies

Machine Bodies

Machine Frames

Cylinder Manufacturing

Various Manufacturing

Crane Wheels, Crane Drums

Flywheels

Cast Machine Parts

Construction Machinery Parts

Project-Production-Manufacturing Activities

CEMENT AND MINING INDUSTRY

Milling Beds

Mill Mirrors

Ring Gears

Mill Gearboxes and Gears

Various Manufactures



ACTIVITY FIELDS

IRON AND STEEL INDUSTRY

Heavy Duty Type Gearboxes

Gearbox Beds

Gears

Rolling Mill Stands

Couplings

Steel Construction

Project-Production-Manufacturing Activities

ENERGY SECTOR

Various Turbine Parts

Bearings

AUTOMOTIVE INDUSTRY

Our company provides services to the automotive sub-industry in machining operations and sheet metal forming mold manufacturing.



*With project-based production capabilities, manufacturing can be carried out in the desired form.

WELDED MANUFACTURING





WELDED MANUFACTURING













WELDED MANUFACTURING











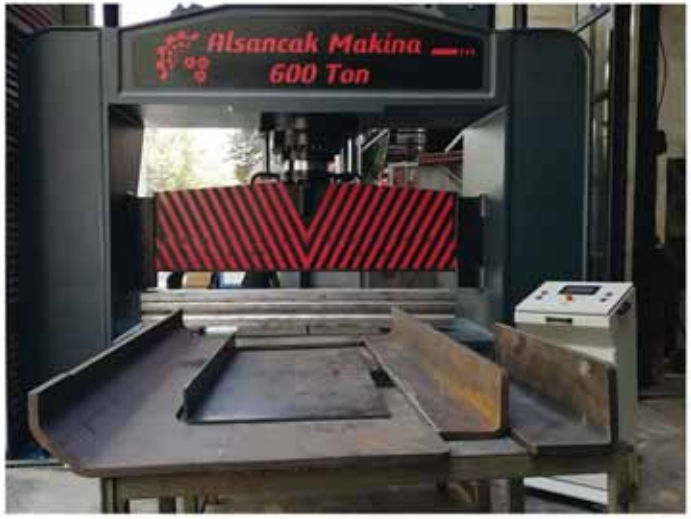

WELDED MANUFACTURING











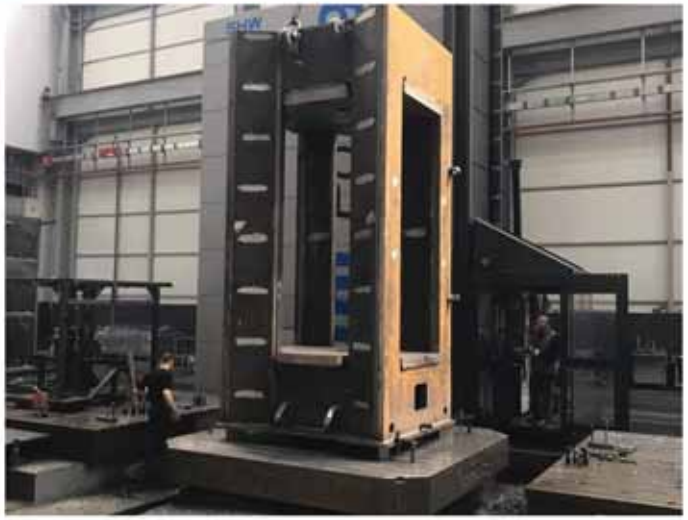



MACHINERY AND EQUIPMENTS

SHW UNIFORCE 9
X:22000mm Y:7600mm Z:1900mm
100 Ton Rotary Table
5 Axis Simultane Head

SHW UNIFORCE 6
X:10000mm Y:3000mm Z:1400mm
50 Ton Rotary Table
5 Axis Indexible Head

TOS KURIM FUT 150
X:4000mm Y:2500mm Z:1500mm
20 Ton Rotary Table
5 Axis Simultane Head
5 Axis Indexible Head
Horizontal&Vertical Milling Head

TOS WARNSDORF WHQ 13
X:5000mm Y:3500 Z:1600mm
25 Ton Rotary Table
Indexible Milling Head

SHW POWERSPEED 4000 CUBE
X:4000mm Y:1600mm Z:1500mm
10 Ton Rotary Table
5 Ton Turning Feature
Indexible Automatic Milling Head

WFL M50 MILL TURN
Diameter: 540mm Length: 1250mm
Turning and Milling Feature

MACHINERY AND EQUIPMENTS

MIKROTURN CHALLENGER
Universal CNC Lathe

Diameter: 230mm Length: 1500mm

WELDING MACHINES
500 Amp Synergic Welding Machine 12 pcs

260 Amp Air Cooled Welding Machine 4 pcs

600 Amp Rectifier Welding Machine 4 pcs

BAND SAW MACHINE
Ø280 Straight Cutting Saw 1 pcs

Ø280 Degree Cutting Saw 1 pcs

CEILING CRANE
80 Ton Lift 13 mt. height

80 Ton Lift 10 mt. height

10 Ton Lift 13 mt. height

10 Ton Lift 10 mt. height

50 Ton Welding Rotator 1 pcs

20 tons Welding Rotator 1 pcs

LASER CUTTING MACHINE
3 Kw Fiber Laser Cutting Machine

1500X3000mm 1 pcs

HYDRAULIC PRESS MACHINE
600 Ton Hydraulic Press Brake and Sheet Straightening Press



In 2020, our company acquired the SHW Uni Force 9 multi-axis machining center equipment from Germany with a 2.6 million euro investment.

As TOLSEL MAKİNA, with over 40 years of manufacturing experience and our state-of-the-art equipment, we take pride in serving the by processing heavy and large-scale products that are needed.

Guaranteeing the uncompromising precision our customers demand We are your solution partner with our expertise and technological equipment.



UniForce

SHW
Uni Force 9

Uni Force 9

MACHINERY AND EQUIPMENTS

MEASURING TOOLS

API LASER TRACKER

Range of Measurements
Linear Range (Diameter) 50 m (100 m)
80 m (160 m) optional
20 m (40 m) optional
Minimum Measurement Distance 0 m
Azimuth Range ± 320º (640º end to end)
Elevation Range -59º to 79º
Internal Level Range ± 2º

3D Measurement Performance
Volumetric Accuracy (IFM) ± 10 µm + 5 µm/m*

Angular Performance
Axial Angular Accuracy 3.5 µm/m**
Maximum Angular Speed 180º / sec
Maximum Angular Acceleration 180º / sec2
Internal Level Accuracy ± 2 arcseconds

ALPHA ^{E} 6 AXES

ALPHA E is a measuring arm capable of successfully conducting precise measurements. Its reliability and operability enable manufacturers to control quality and ensure high-quality production



CERTIFICATES

TÜVNORD

CERTIFICATE

TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.

Conformity of the Factory Production Control

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 09 March 2011 (the Construction Products Regulations or CPR), this certificate applies to the following construction product:

Construction product:	Structural steel components, up to execution class EXC2 acc. to EN 1090-2
Intended use:	Manufacturing and assemblies of steel constructions with corrosion protection related to industrial facilities
CE-marking method:	ZA3.4 acc to EN 1090-1 2009+A1:2011
Design responsibility:	☒ no ☐ yes
Products subjected to the design responsibility:	N/A
Manufacturer:	TOLSEL MAKİNE SAN. TİC. LTD. ŞTİ. Delikkaya, Ersel Cad No:4, 34555 Arnavutköy/İstanbul
Manufacturing plant:	TOLSEL MAKİNE SAN. TİC. LTD. ŞTİ. Delikkaya, Ersel Cad No:4, 34555 Arnavutköy/İstanbul
Certificate No:	CR-TUVNORD-2024/0056-R00
Confirmation:	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonized standard EN 1090-1:2009+A1:2011. Under system 2+ are applied, and that the factory production control fulfils all the prescribed requirements stated therein.
Certificate start date:	07/03/2024
Certificate expiry date:	07.03.2027
Period of validity:	This certificate will remain valid as long as the last methods and/or the factory production control requirements included in the harmonized used to assess the performance of the declared characteristics do not change, and the product and the manufacturing conditions in the plant are not modified significantly.

İstanbul, 15/03/2024

Certifier of TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.
ID No: 3384

TÜRKAK

TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.
Şerifali Mahallesi Fatih Örgülü Sokak, No:3 Kat:4 Ümit Plaza, Kozyatağı, 34742 İstanbul-TÜRKİYE
Telefon +90 216 387 3300 • Fax +90 216 388 57 57 • E-mail: tuvnord@tuv-nord.com

TÜVNORD

CERTIFICATE

TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.

Quality requirements for fusion welding of metallic materials

EN ISO 3834-2

Manufacturer/production facility:	**TOLSEL MAKİNE SAN. TİC. LTD. ŞTİ.** Delikkaya, Ersel Cad No:4, 34555 Arnavutköy/İstanbul
Standard:	EN ISO 3834-2
Scope:	Manufacturing of Steel Construction
Certificate No:	CR-TUVNORD-2024/0056-R00
Report No:	RP-CR-TUVNORD-2024/0055-R00
Certificate start date:	08/03/2024
Certificate expiry date:	07/03/2027

The company is using a quality assurance system,technical equipment, qualified personnel and procedures for joining processes for manufacturing and testing of welded products.

İstanbul, 15.03.2024

Technical Manager
TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.

See Annex 1

TÜRKAK

F-BELİ-TLC (Rev.06/12.03.) EN

TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.
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TÜVNORD

Annex 1

TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.

EN ISO 3834-2

Scope of certification

EN 4063'e göre Kaynak Yöntemi	CEN ISO/TR 15608'e göre Ana malzeme	Birleştirme Tipi	Kalınlık aralığı aralığı
135	1.2	BW	3mm to 20mm
136	1.2	FW	3mm to 20mm
135	8.2	BW	3mm to 20mm
136	8.2	FW	3mm to 20mm
111	1.2	BW	3mm to 20mm
111	1.2	FW	3mm to 20mm
111	8.2	BW	3mm to 20mm
111	8.2	FW	3mm to 20mm
141	1.2	BW	3mm to 20mm
141	1.2	FW	3mm to 20mm
141	8.2	BW	3mm to 20mm
141	8.2	FW	3mm to 20mm

Responsible Welding Coordinator

Name Surname	Birth Place	Birth Date
Tamer YAPAR	İSTANBUL	28.07.1984

Certificate No:	CR-TUVNORD-2024/0056-R00
Certificate start date:	08/03/2024
Certificate expiry date:	07/03/2027

İstanbul, 15/03/2024

Technical Manager
TÜV NORD Turkey Teknik Kontrol ve Belgelendirme A.Ş.

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