



Sustainable Precision Forging



SMART FORGING, SOLID TRUST.



Total Area (M²)
35.000



Capacity (Tons/year)
50.000



Export
50%



Forging Line
19+



Employee
350+



MSK FORGE has been operating successfully in the forging industry for **more than 50 years**. The experience gained during this period, our constantly improving quality and our investment approach that follows the latest technology have brought our company to a strong position in the market.

Our company supplies **forged, machined, and finished/assembled parts** to various industries.



1995

It was founded by Sedat KAZANGIL.

1999

ISO 9001 Certification

2002

First Export

2006

IATF 16949 Certification

2020

First Series Production of Aluminum Parts

2019

Investment in a Robotic Hammer Forging Line

2017

Investment in an 2500 tons Transfer Line

2008

Investment in Heat Treatment Facility

2007

Investment in a Machining Shop

2023

TISAX Label Approval

2024

Solar Power Plant Investment (100% energy self sufficient)

- Rooftop SPP: 2.894 MWp
- Ground-mounted SPP: 10.000 MWp

2024

Investment in 2 sets of 4,000- Ton Press Forging Line

2025



Engineering & R&D

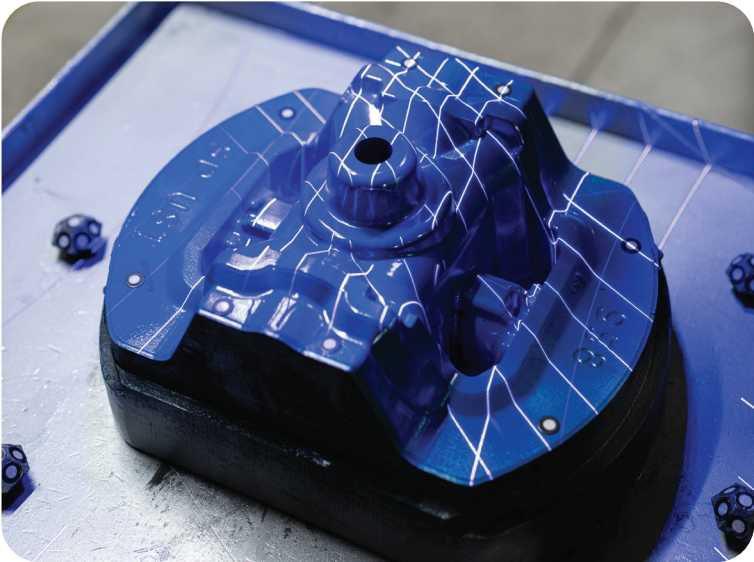


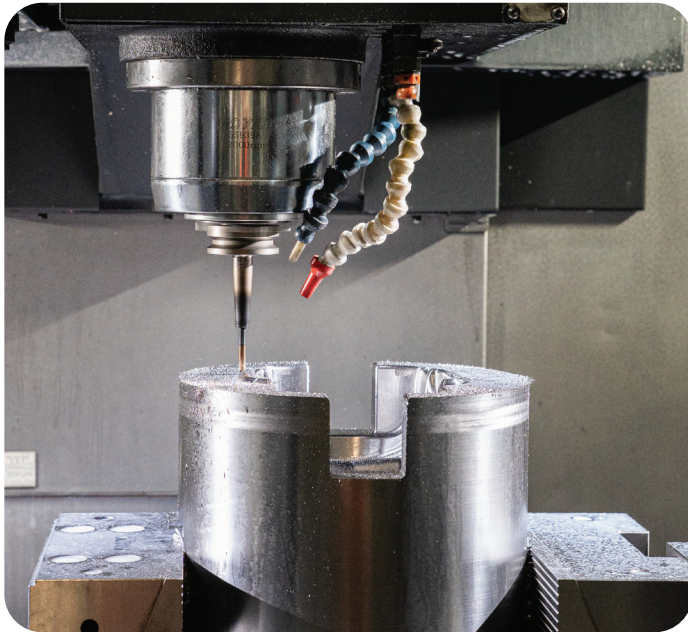
For us, production begins with **simulating molecular movements** in the digital world, not just running the presses. Using advanced simulation tools like **QForm** and **Forge Transvalor**, we optimize the internal grain flow of the part before the forging process even begins. Through **Co-Design** processes using **Catia V5** we lighten our Business partners' designs without compromising strength. Working with us means eliminating trial-and-error costs and reaching mass production (PPAP) twice as fast compared to alternatives.



	Engineering and Simulation	R&D and Prototyping	Added Value
Software & Infrastructure	QForm, Forge Transvalor, Catia V5	3D Laser Scanning, Rapid Prototyping	Zero Defects: By simulating metal flow before mass production, we eliminate the risk of mold breakage and part defects.
Design Support	Co-Design (Concurrent Design)	Near Net Shape, Light Weight Design	Co-designing with OEM and Tier 1 design teams.
Approval Process	PPAP & APQP Process Management	Rapid Sample Production	Time Advantage: We complete sample delivery times for new projects (RFQ) twice as fast as the industry average.
Reverse Engineering	Laser Scanning / Optical Measurement	Digitalization of Existing Parts	Proposed revisions to offer better performance than competing products.

Synchronized Co-Design. No Distance, No Delays.





Tooling & Die Shop



We have eliminated tooling-related downtime as a risk. With our in-house High-Speed CNC machining centers, we have the capacity to produce more than 40 new tooling sets per month.

Our integrated tooling shop is not just a production unit; it is our "defense line."

We prevent production halts by intervening 24/7 against any wear or damage that may occur during manufacturing.

Through specialized coating technologies that extend tool life, we reduce your amortization cost per part below global competition.

	Die Design and Production	Revision and Maintenance	Added Value
Equipment Power	High Speed CNC Machining Centers (20+ pcs)	24/7 Active Forging Die Repair and Assembly	Supply Continuity: We are not dependent on external forging die makers; we eliminate the risk of mold-related delivery delays by 100%. Zero Production Downtime.
Capacity	40+ New Forging Die Sets Per Month	Preventive Maintenance Program (TPM)	Rapid Commissioning: In large projects, we shorten the transition time to mass production by simultaneously producing multiple forging die.
Technology	Carbide Cutting Tool Optimization	Laser Welding and Heat Treatment	Cost Management: We extend forging die life with special coatings, minimizing your amortization costs per part.
Precision	± 0.01 mm Forging Die Tolerance	Digital Pattern Tracking System	Consistent Quality: We guarantee the same form and dimensional accuracy from the first part to the 1,000,000th part.

Swift. Precise. Proven.

Forging Technologies



Our forging shop combines press capacities from 1,000 to 4,000 tons with 31.5 kJ and 63 kJ hammers.



Steel Forging Line (Press & Hammer)	
Equipment Power	1,000t – 4,000t Mechanical Presses, 31.5 kJ & 63 kJ Hammers
Part Weight	0.1 kg – 40 kg
Material Group	Carbon, Microalloyed, Case Hardened Stainless Steel

POWERED PRECISION



*Pure Aluminum
Precision*

Our 280 kJ CNC direct-drive screw press, featuring a nominal capacity of 1,600 tons and a maximum pressing force of 3,200 tons, delivers exceptional process stability and precision even for the most demanding geometries.

The line is capable of forging aluminum components up to 20 kgs, meeting the industry's highest expectations for speed, quality, and consistency.

With in-house T5 and T6 heat treatment processes, we ensure outstanding mechanical performance, uncompromising reliability, and reduced lead times.

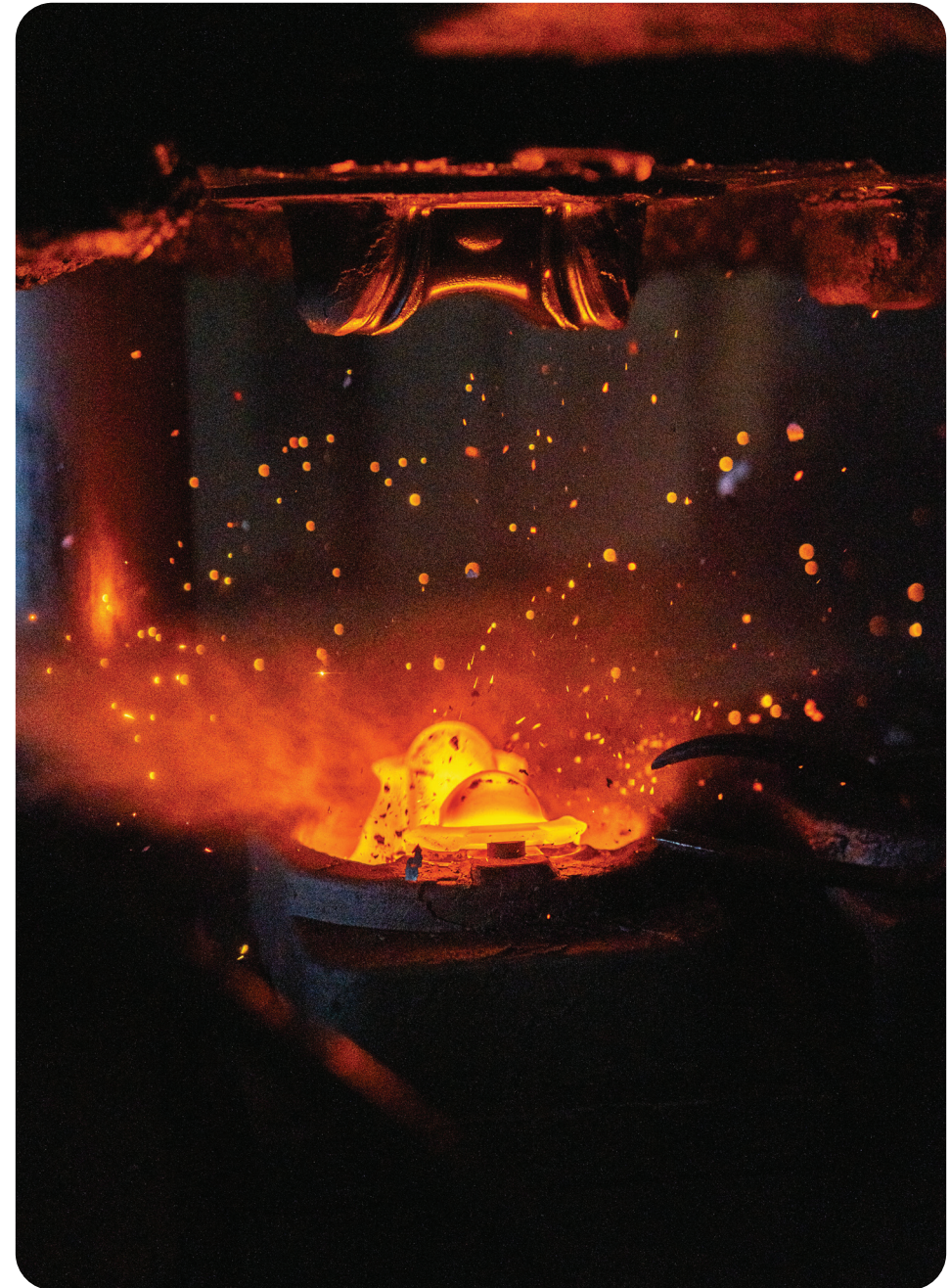
Supported by our expertise in 2000, 4000, 6000, and 7000 series aluminum alloys, we provide a dependable, low-risk manufacturing solution for next-generation automotive and aerospace applications.

	Aluminum Forging Line
Equipment Power	280 kJ (3.200t max.)
Part Weight	0.1 kg – 20 kg
Material Group	2xxx, 4xxx, 6xxx, 7xxx Series Alloys





↘ Where Trust Is
Forged



Heat Treatment

In addition to surface quality, the internal microstructure of a part is key to its operational performance.

By consolidating heat treatment in-house, we optimize your logistics costs while ensuring that fatigue resistance and mechanical properties meet international norms throughout the part's design life.

Using modern monitoring systems, we provide transparent and traceable metallurgical data for every component produced.



	Steel Heat Treatment	Aluminum Heat Treatment	Added Value
Process Variety	Q&T, Normalization, Case Hardening, Isothermal Annealing	T5, T6	One-Stop Solution: We don't send the part out for heat treatment, and we don't add shipping and intermediate stock costs to your invoice.
Control Standard	CQI-9 & IATF 16949 Compliance		Safety Critical Components: We reduce the risk of microstructural defects in components to zero.
Capacity	Atmosphere-Controlled Furnaces	Continuous Solution Heat Treatment Furnace, Artificial aging	Delivery Time: We eliminate heat treatment bottlenecks in high-volume orders.

METALLURGICAL VALIDATION



Machining (Ready-to-Assemble Solutions)



For us, the process doesn't end with the part coming out of the forging die. With our **CNC lathes and 5-axis machining centers**, we machine the forged parts within a tolerance range of ± 0.025 mm, making them "Ready-to-Assemble". This means eliminating the risks of intermediate transportation, extra quality control processes, and the burden of managing **multiple suppliers** for you. With our machining and assembly solutions, we simplify your supply chain and optimize your "Total Cost of Ownership".

	CNC Machining Line	Added Value
Equipment Power	CNC Lathe-Milling, 5-Axis, 3-Axis Machining	Ready-to-assemble: We deliver finished products that only require assembly, simplifying your supply chain management.
Precision	± 0.025 mm Tolerance Range	Zero Defect Shipments: By keeping PPM rates to a minimum, we guarantee that there will be no downtime on your line.
Surface Quality	Rz<1,2 - Ra<0.3	System Compatibility: Particle-free, high-surface-quality parts for fuel and hydraulic systems.
Integration	Robotic Feeding & Automation	Price Competition: We reduce labor costs through automation, offering high-quality machined parts at optimal prices.





 **MSK**
FORGE

WELCOME
HERZLICH WILLKOMMEN
BIENVENUE
добро пожаловать
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MSK

Quality, Validation & Cybersecurity

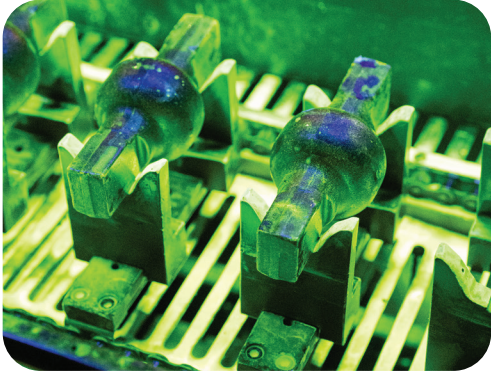


For us, quality is not just a department; it is our operating system. We certify both operational and environmental excellence with our IATF 16949, ISO 9001, 14001, and 50001 certifications.



	Inspection & Measurement Technology	Certification & Standard	Added Value
Automotive Quality System	APQP Processes, FMEA, PPAP, SPC	IATF 16949 and ISO 9001	Zero Defect Culture: We reduce downtime risks and PPM rates on your assembly lines to below global standards.
Energy & Carbon	100% Equity-Funded Solar Power Plant (Solar Energy)	ISO 50001 & Green Energy Certificate - IREC certificate	Carbon Tax Exemption: We generate all of our production using green energy from our own solar power plant.
Environmental & Resource Management	Circular Economy and Waste Recycling	ISO 14001 - GRI Compliant Sustainability Report	CBAM Preparation: Full compliance in carbon footprint reporting and reduction processes. We facilitate your transition to EU legislation by increasing your sustainability score.
Information & Cyber Security	Secure Data Sharing and Intellectual Property Protection	TISAX	Secure Collaboration: We guarantee the confidentiality of your next-generation projects (CAD/Data) according to VDA standards. "Approved Supplier" status is a requirement for OEMs.
Dimensional Verification	3D CMM (Coordinate Measuring) & Laser Scanning	IATF 16949 / ISO 9001	Assembly Guarantee: Micron-level deviation-free production means "zero downtime" on your assembly line.
Metallurgical Analysis	Spectrometer, Hardness Scanning, Microstructure Analysis, Tensile and Notch Testing	CQI-9 (Heat Treatment Compliance)	Material Assurance: We check the molecular structure of the material with each charge, eliminating the risk of fatigue.
Non-Destructive Testing (NDT)	Magnetic Particle (MPI) & Eddy Current Test	ISO 9934-1	Safety Critical: We detect invisible internal defects in safety components, eliminating your risk of recalls.
Digital Traceability	QR/Barcode Based Lot Tracking System	VDA 6.3 Compliance	Risk Management: Even 10 years later, we can report in seconds which raw material batch a part came from and which operator produced it.

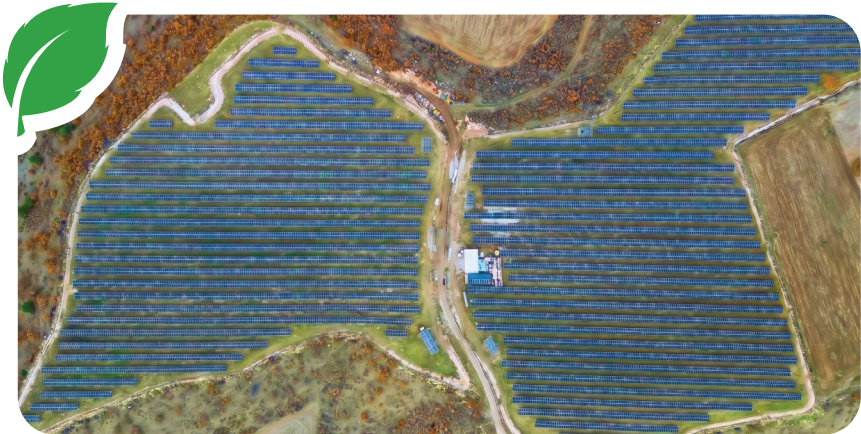
However, our true "shield" that sets us apart is our TISAX certification. As the highest data security standard for automotive giants, TISAX ensures the digital rights of your next-generation projects are protected with absolute confidentiality.



With our CMM measurements, Magnetic Particle Inspection (MPI), and 100% traceability system, we are your most reliable partner on the road to your brand's "Zero Defect" goal.

Sustainability

We embrace sustainability as a manufacturing discipline. Through our ISO 14001 compliant waste management and resource efficiency models, we minimize the environmental impact of our production processes. In full preparation for the EU Carbon Border Adjustment Mechanism (CBAM) requirements, we provide strategic support to our partners' green supply chain goals. Furthermore, by balancing our corporate carbon footprint through our own Solar Power Plant (SPP) investments, we optimize energy costs and offer long-term price stability.



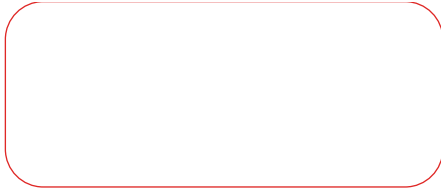


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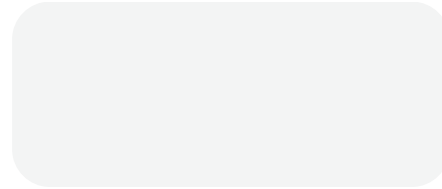
CONSTRUCTION
INDUSTRY



MACHINE
INDUSTRY



MINING
INDUSTRY



AVIATION
INDUSTRY



AUTOMOTIVE
INDUSTRY



AGRICULTURE
INDUSTRY



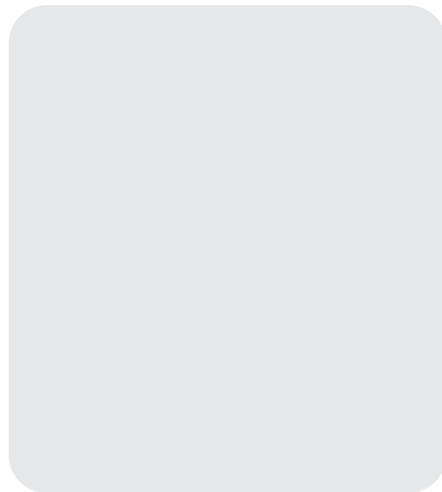
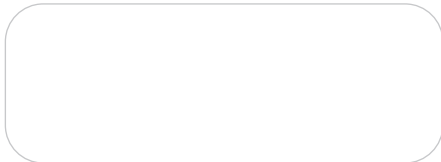
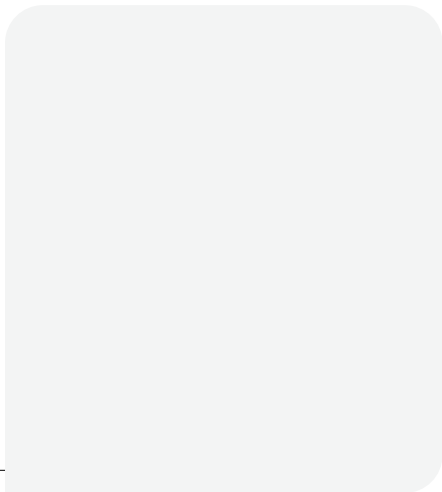
DEFENSE
INDUSTRY



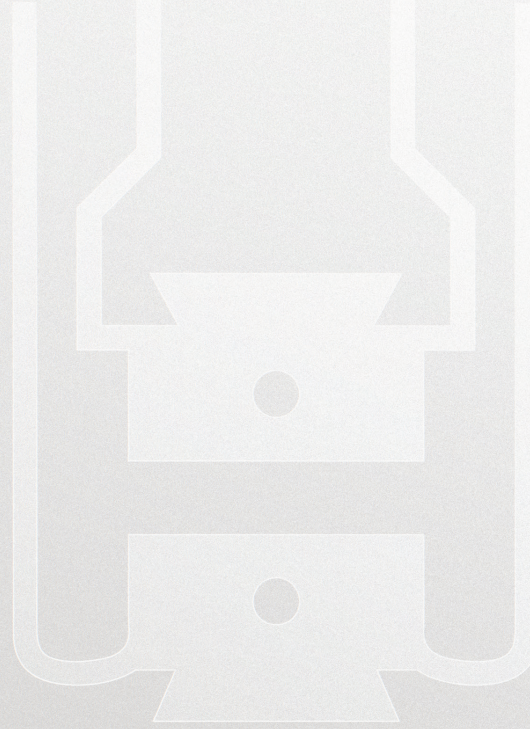
ENERGY
INDUSTRY



RAILWAY
INDUSTRY



HANDLING
INDUSTRY



One Partner. Triple Advantages:
Clean. Close. Competitive.



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