

KEMALPAŞA OSB, İZMİR

Manufacturing partner for machine builders

Minos is the manufacturing partner for machine builders: CNC machining, control panels, cable harnesses, polycarbonate guards, rubber rollers, electromechanics.

FOUNDED
2007**LOCATION**
Kemalpaşa OSB, İzmir**QUALITY**
ISO 9001:2015

Since 2007, Minos Makina Otomasyon has been an industrial manufacturer producing critical parts, sub-assemblies and complete systems for machine builders. In its 2000 m² facility at Kemalpaşa OSB, it brings machining, machine electronics, cable harnesses and electromechanical assembly together under one roof.

By managing every stage of production from a single point — from design to manufacturing, from assembly to commissioning — Minos becomes a single point of contact for its customers; with flexible capacity from prototype to series production, it is a reliable manufacturing partner for machine builders at home and abroad.

2007

Founded

2000 m²

Covered production area

40

Expert team

8

CNC machines

2000+

Control panels / year

1500

Cable harnesses / year

350

Barcode printers / year

ISO 9001

ISO 9001:2015

**Six disciplines, one
supplier****Engineering and technical
support****Flexibility from prototype
to series****Planned and complete
delivery**

— Industries we manufacture for

General machine building

Food and beverage machinery

Packaging machinery

Printing and press

Textile

Plastics and rubber

Automation and panel building

— One supplier, six production disciplines

We produce the critical parts and systems machine builders need from a single source, in perfect coordination.



CNC Machining

On our CNC lathes and machining centres we produce parts to the tolerances on your drawing, from prototype to series production.

- CNC turning and vertical machining (milling)
- Prismatic and turned (rotational) parts

Capacity · CNC Turning: Max. turning Ø 550 mm · Z 2092 mm · Machining Centre: 1600 × 800 × 700 mm



Machine Electronics

Component assembly, wiring and testing to your panel project — we deliver your machines' control panels complete.

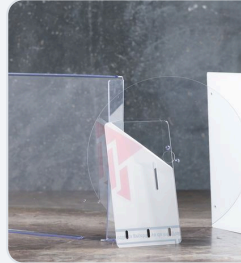
- Control panel assembly (to project)
- PLC, drive and power-distribution mounting



Cable Harnesses

Project-specific cable harnesses for machines and panels — cut, crimped, labelled and tested.

- Custom cable harnesses
- Cable cutting, stripping & preparation



Polycarbonate Machine Guards

Machine guards cut from high-impact polycarbonate sheet on our CNC router, to your measurements or DXF drawing.

- Made-to-measure cutting and CNC edge finishing
- High-impact polycarbonate



Rubber Roller Manufacturing

Custom rubber coating on steel shafts; new roller manufacturing and re-rubbing of worn rollers.

- Steel shaft + made-to-measure rubber coating
- Various hardness (Shore A) options



Electromechanical Systems

An electromechanical solutions partner that unites mechanical design, manufacturing, panels and wiring under one production responsibility.

- Mechanical and electrical integration
- Drive and motion assemblies

QUALITY

ISO 9001 Quality Management System · CE-marked control panels · Mitutoyo CRYSTA-Apex V9106 · Mahr CD-140

— From idea to delivery, one flow

01

Quote & technical review

We take your requirement or technical drawing, assess manufacturability and provide a quote.

02

Sample / prototype

Before series production, we make a sample or prototype for your approval.

03

Production

We put the approved design into part or series production in a planned way.

04

Quality control

We verify tolerances with our CMM and measuring instruments; a measurement report is provided on request.

05

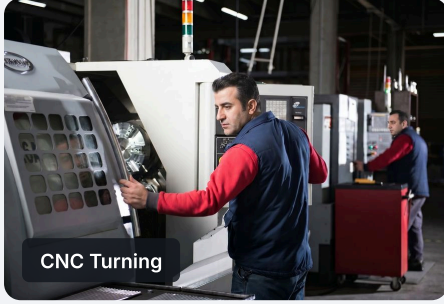
Delivery & support

We confirm the delivery date in the quote, ship with protective packaging and provide after-sales support.

For a quotation

You can email technical drawings and 3D models to info@minos.com.tr (STEP, IGES, SolidWorks, DWG/DXF or PDF). On request, we sign a non-disclosure agreement (NDA) before you send drawings. Our team corresponds in Turkish and English.

info@minos.com.tr



CNC Turning



Machining Centre



Our metrology laboratory

CNC Turning

Machine	Control	Axes	Chuck	Max. swing	Max. turning Ø	Z
Doosan Puma GT2600LM	Fanuc	2 + C	12"	410 mm	320 mm	1050 mm
Victor Vturn-S26/110	Fanuc	2	12"	600 mm	430 mm	1130 mm
Doosan Puma 4100 L Atling AX71 hydraulic steady rest (Ø45–320 mm)	Fanuc	2	15"	750 mm	550 mm	2092 mm

Machining Centre

Machine	Control	Axes	Work envelope	Table	Spindle	Tool magazine	Max. table load
Everricho VMC-1680L	Mitsubishi	4	1600 × 800 × 700 mm	1700 × 800 mm	BT-50 · 10,000 rpm	24	2000 kg
Sunmill JMV-1200	Mitsubishi	3	1200 × 650 × 600 mm	1350 × 650 mm	BT-40 · 10,000 rpm	24	1000 kg
Sunmill JHV-800 (×1)	Mitsubishi	4	800 × 500 × 580 mm	900 × 500 mm	BT-40 · 10,000 rpm	24	500 kg
Sunmill JHV-800 (×2)	Mitsubishi	3	800 × 500 × 580 mm	900 × 500 mm	BT-40 · 10,000 rpm	24	500 kg

Other equipment

UNIVERSAL MACHINES

TN50 · Universal lathe · 10" · 2000 mm | CY-6250B ·
Universal lathe · 10" · 2000 mm | SMARC X6325B ·
Universal turret mill

WELDING

Fronius TPS 500i · TIG + MIG | Oerlikon Magmaweld GKG
250K · MIG | Fimer TT 205 · TIG

CUTTING

Cuteral PAR 350U | Cuteral PAR 280M

OTHER EQUIPMENT

CNC router · 2000 × 4000 mm | Sandblasting machine |
Hydraulic straightening press | Tapping machine (×3) ·
Pneumatic · Hydraulic · Servo

Our metrology laboratory

Mitutoyo CRYSTA-Apex V9106 Coordinate measurement (CMM)

Mahr CD-140 Contour & roughness measurement

Mahr PS-10 Surface roughness measurement

Mitutoyo LH-600E Precision height measurement

PCE CT-80 Coating thickness measurement

Fluke Ti300+ Thermal imaging

MATERIALS WE MACHINE

Steel and alloy steel · Stainless steel · Aluminium · Brass and copper · Castings · Engineering plastics

ISO 9001:2015

Certificate no. QA/TR/9001/2198

Certification body QA Technic International LLC

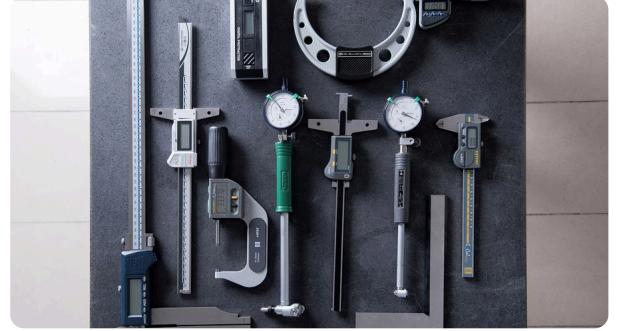
Scope manufacturing and sales of machine spare parts;
manufacturing, sales and service of electrical
panels

Valid until April 29, 2027

We measure parts with calibrated instruments and manage
our processes to our defined quality standards.

Available on request

- Measurement report
- Material certificate
- Panel test record
- Cable test record



Special projects

CASE STUDY · MINING AND HEAVY EQUIPMENT

Single-acting track tensioning cylinder for a mining excavator

- High-pressure, single-acting hydraulic cylinder for the track tensioning system of a mining excavator manufacturer in Germany; 400 bar working pressure.
- The customer's requirement, a 500 bar leak test held for 5 minutes, was carried out on the test bench we designed, and was met.
- Weld zones were inspected by a third party using magnetic particle and ultrasonic testing.
- An outside laboratory counted the particles in a sample of the final wash water by size.
- According to the customer's verbal report, all of the cylinders completed a 1.5-year field trial at a mine site without problems.

Under a non-disclosure agreement, we cannot share the customer's name, the machine model or the part drawings. · www.minos.com.tr/en/projects/mining-and-heavy-equipment/



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