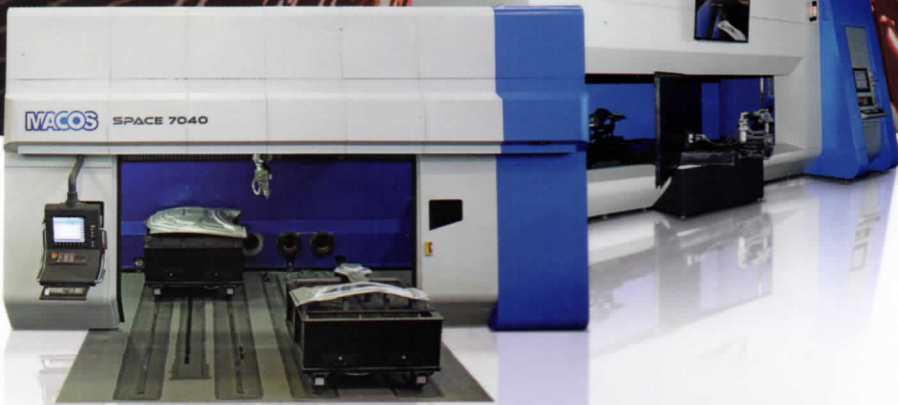
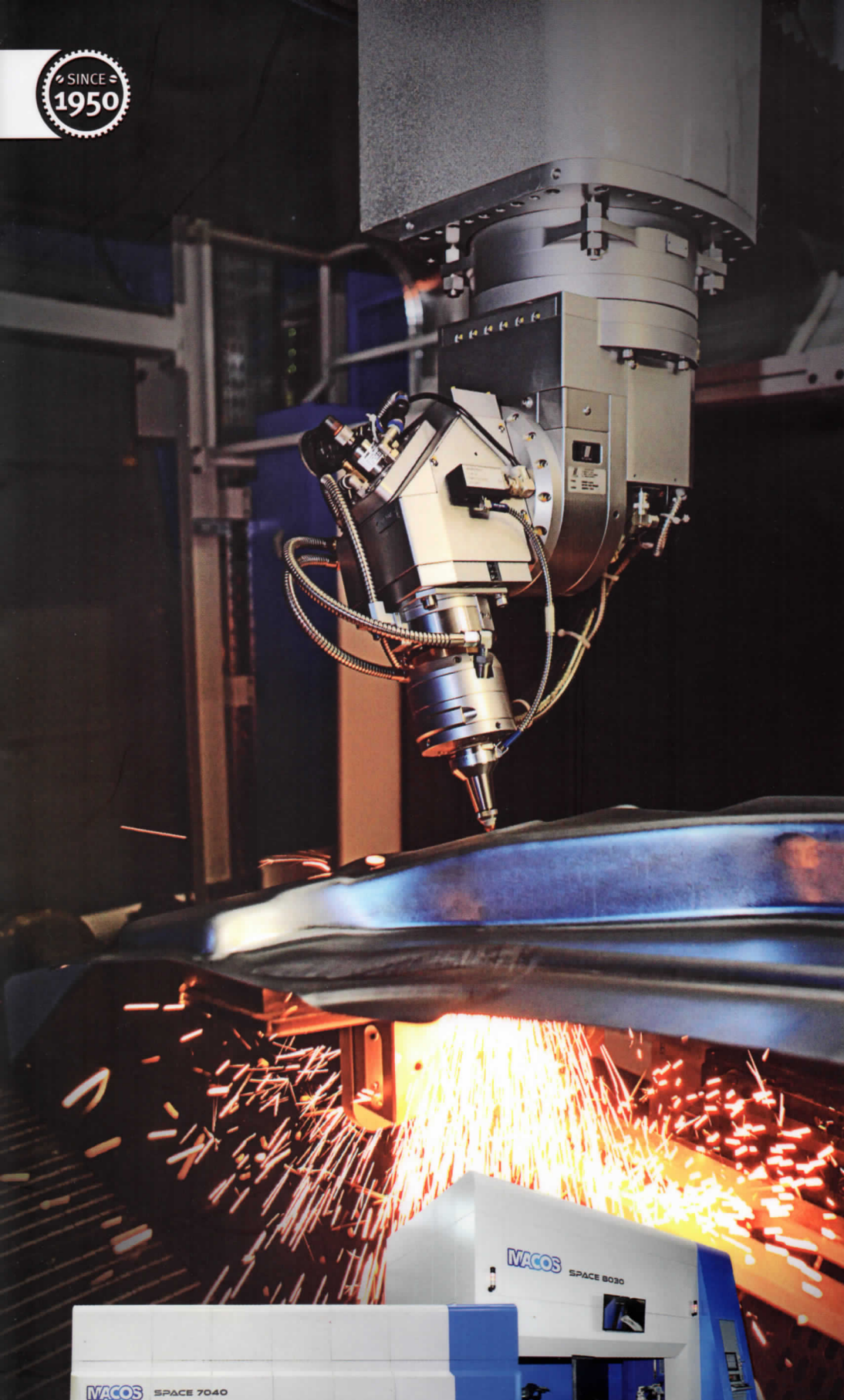


SINCE
1950



COSLASER 3D

SPACE 7040 and 8030 Series

MACOS
by COŞKUNÖZ HOLDİNG

ENGLISH



Products Date 1960

Coşkunöz Holding was formed by Kemal Coşkunöz in 1950. Today, with its 10 companies and 2.500 employees, Coşkunöz continues to follow its "Unbounded Forming" vision in 6 different sectors. Coşkunöz has proved its worthiness in the machinery, aerospace, heating, transport and, most particularly automotive fields and is now making significant investments in the energy sector. With Kemal Coşkunöz's "If I do something i must be the best" philosophy and its manufacturing vision, Coşkunöz aims to be unbounded in leadership, technology business and competencies on domestic and worldwide markets.

Coşkunöz Holding's largest company, Coşkunöz Metal Form, machines more than 100.000 tons of sheet metal with approximately 2.000 employees at its 100.000 square metre plant. Coşkunöz Metal Form (CMF) is one of the major enterprises in Turkey in sheet forming-assembly and die-machinery design and production.

Laser cutting machines are produced within the technology group and are marketed around the world under the MACOS (Machinery of Coşkunöz) brand name. Innovative products, such as the 5-axis laser cutting machines are being developed with the Coşkunöz R&D centre.

Products

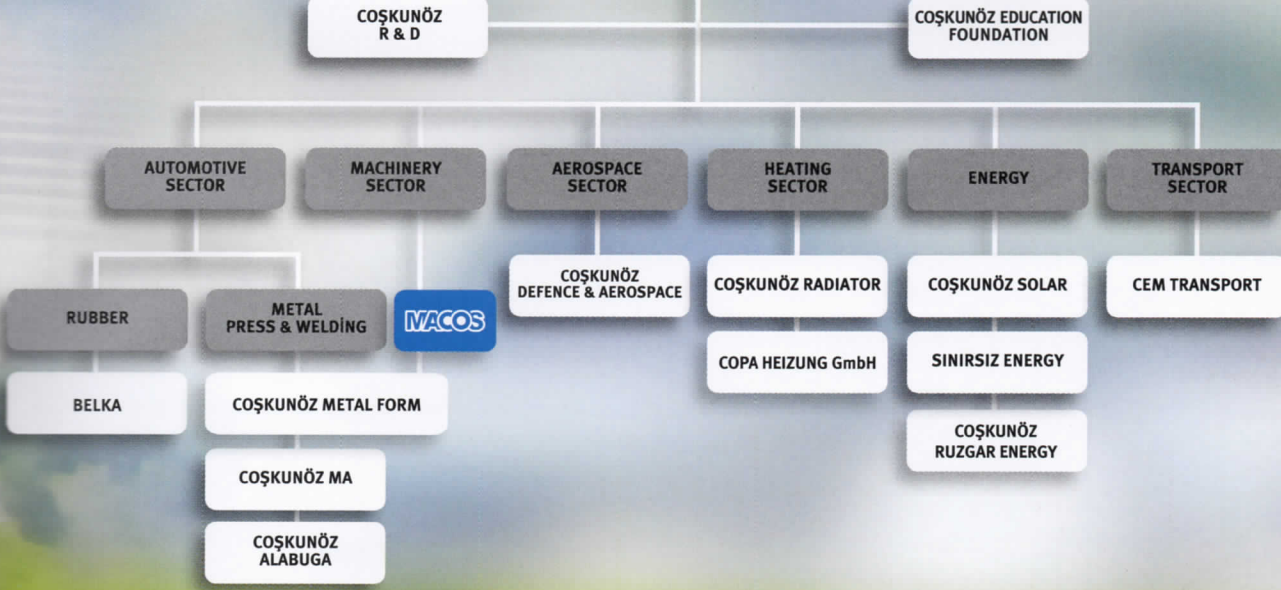


COSLASER 3D
SPACE 7040



COSLASER 3D
SPACE 8030

COŞKUNÖZ HOLDING



"If I do
a job,
i must be
the best"

M. Kemal Coşkunöz

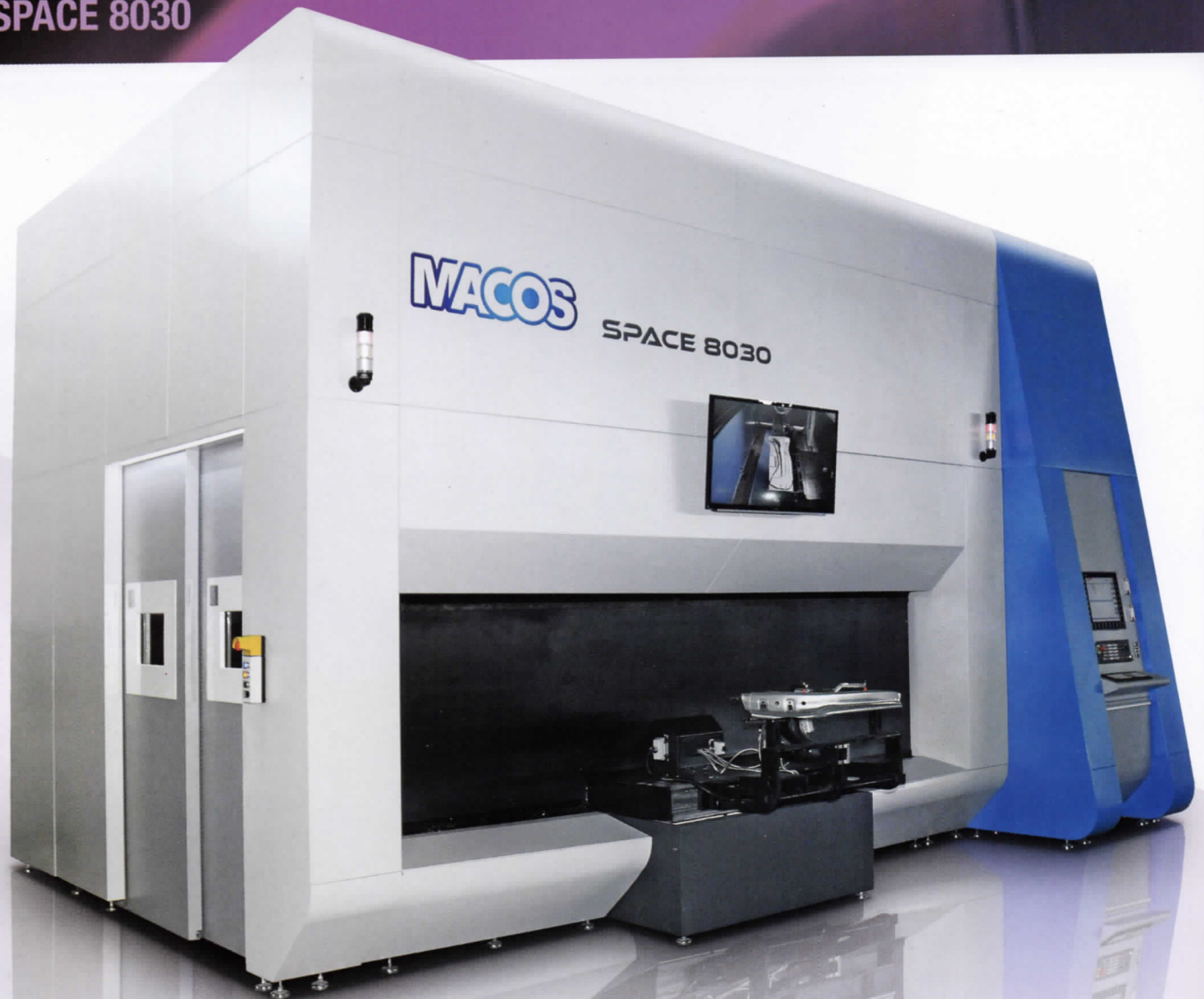
Today Coşkunöz Holding is active in 6 different sectors with its 10 companies and more than 2500 employees. Profits are re-invested in the company and through investments made in particular for die and machinery production, the group continues to serve the Turkish automotive industry. With the MACOS brand which is short for "Machinery Coşkunöz", the "machinery manufacturer", Coşkunöz Machines carries its founder, M.Kemal Coşkunöz's "If I do a job, it must be the best" principle forward in the global market. The Machinery Group continues to produce "the world's machines" from the Coşkunöz Metal Forming Industry Machinery Co.Ltd. company which covers 100.000 sq.mt. indoor space and has 1800 employees.

References



COSLASER 3D

SPACE 8030



General Specifications

- The compact design laser cutting center SPACE 8030 is mainly developed for laser cutting of large quantity 3D formed parts, especially hot forming parts.
- Fast, dynamic, compact footprint and efficiency are the key functions of this special designed SPACE 8030 3D laser cutting cell. It is designed for maximum productivity and minimal part costs.
- Special designed lightweight construction enable high speed and acceleration of moving axis.
- With strong structure of Siemens 840 Dsl, special designed HMI, gives flexibility for full control of laser and machine parameters.
- Siemens 840 Dsl CNC provides strong capabilities for diagnostic, axis calibration and tuning.
- Sinumerik handheld terminal allows full control of each axis and modifying NC programs near the parts in work.
- The SPACE 8030 has an ergonomic control panel which is located on the right side of the machine.
- With the MACOS user friendly interface both standard and customised technology parameters can be used.
- Worldwide market leader IPG supplies up to 5kW fiber laser resonator with which fast and cost effective cutting is achieved.
- According to the wavelenght of fiber laser, special windows are equipped on the cabinet to enable viewing the inside of machine while cutting.
- Compact cabinet allocate min floor space, footprint that gives more flexibility to organize and improve efficiency of facility.
- High volume cutting is achieved through the Rotary table and scrap conveyor systems which also reduce inefficiency.
- Screen display on front cabinet and high resolution camera inside the machine allow to monitor the process details during cutting.
- The compact design drawer under the control panel, allows storage of spare parts with fast and easy access.



Features



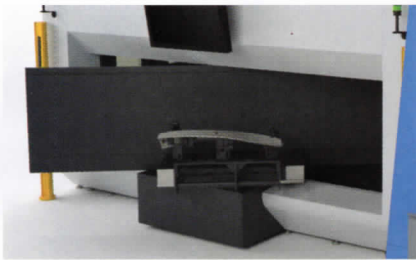
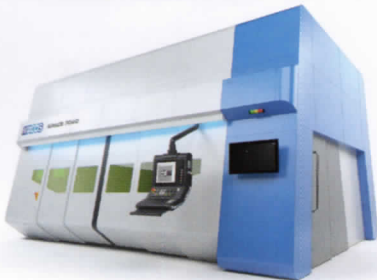
Protection cabin

The protection system which totally encloses the working area is produced from fiber-laser-radiation preventative materials. The protection cabin also encloses fumes produced during cutting, thus allowing their effective collection, conveyance and extraction.

The protection cabin consists of:

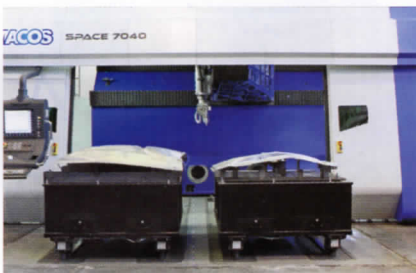
Space 7040: Roof with filtering panels, one manually operated service door is available on the left side of the machine, one automatic front slider door that is able to provide separated working area and one personnel cabinet for storage of personnel safety equipment and spare parts.

Space 8030: Rotary table for fast setup new parts and easy access for finished parts, lateral service doors, scrap conveyor output and scrap box, roof filtering panels and operator drawers for spare parts, working equipments.



Rotary Table

With 180° reversing motion and 2 stations for parts loading/unloading while the production is running, integrated in the machine work area. The rotary table is prepared with two interfaces for one fixture on each side. To protect against laser radiation, the rotary table has a separating wall. Table diameter and load/unload capacity selections dependent on customer specification.



Moveable Table

The moveable table can be supplied as a single piece or in two parts, according to the customer's requirements and also the direction of movement can be chosen according to customer's needs (from left to right or back to front).



Operator Comfort Zone

Personnel cabinet with wide drawers for storage of operator safety equipments, tools and spare parts.

Dust extraction and filtration

The extraction unit consists of a cartridge type filter and centrifugal ventilation device, assembled on the filter roof. This unit used to filter all dusts during the processing of materials like steel and light alloys. Efficient fume extraction is provided by active shutters that are controlled according to the cutting head position simultaneously. This system increases the efficiency and reduces filtration cost.

Samples



Hood Reinforcement



Door Side Panel



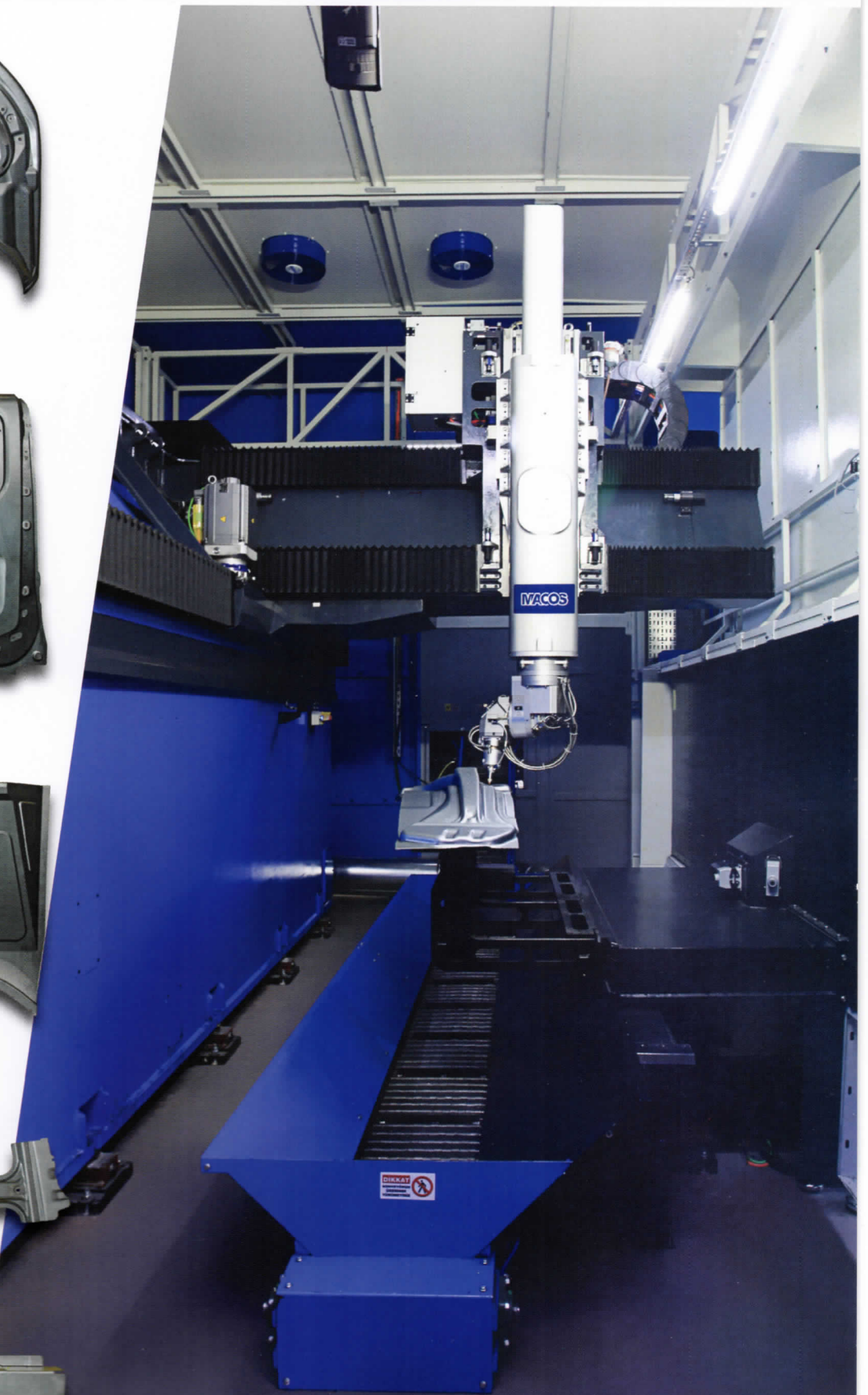
Closure Part



B-Pillar



Body Reinforcement





COŞKUNÖZ
HOLDING

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