

INTRODUCTION

MZD started its cabling design and production activities in Ankara İvedik Organized Industrial Zone in 2014.

MZD produces at high standards by combining the 25 years of defense industry experience of its founder with today's technologies.

Our cabling designs, productions and integrations meets the needs of the Defense Industry and the private sector. MZD is the approved supplier of companies such as Roketsan, Aselsan, Baykar, FNSS, TEI, Tübitak Sage, Tübitak Uzay, Tübitak Bilgem, Meteksan, Koluman.

MZD has AS9100-D Aviation, Space and Defense Quality Management System, ISO 27001 International Information Security Management System, ISO 45001 International Occupational Health and Safety Management System, ISO 14001 International Environmental Management System, ISO 22301 Business Continuity Management System, ISO 28001 Supply Chain It has Security Management System, ISO 31000 Risk Management System standards, ISO 10002 Customer Satisfaction Management System and National Secret and NATO Secret Facility Security certificates.

MZD produces in two different facilities with a total area of 2800 m2 in Ostim Organized Industrial Zone. In addition, MZD will continue to contribute to the growth of our country with its new factory with a closed area of 12500 m2 in Ankara Space and Aviation Specialized Organized Industrial Zone.

Also in MZD Academy, we train all of our employees according to IPC-A-610, IPC/WHMA-A-620 and IPC J-STD-001. Production is carried out in accordance with those standards, with a 100% quality control principle and a rich electrical testing infrastructure.

MZD Electric and Electronics Inc. MZD will continue to contribute to our country's economy with its work and technology.

Regards.

MZD Electric and Electronics Inc.





“We will start production soon in our new factory with a 12.000 m2 closed area...”



All our work areas are designed in accordance with high technology and ergonomic conditions.

We use international standardized machinery and equipment in our production.



WAREHOUSE

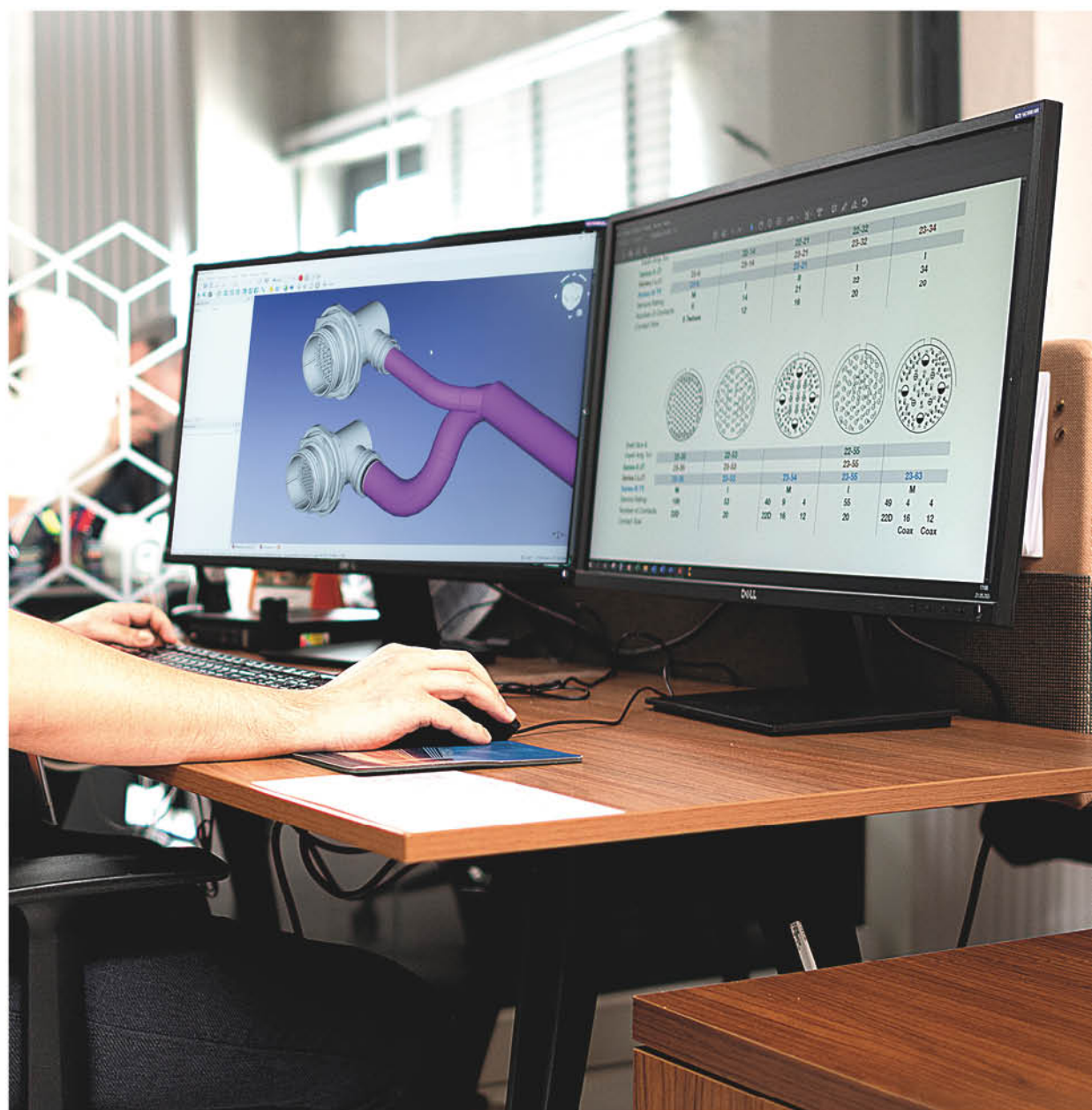
All materials entering our stock are stored with lot numbers through ERP.



INPUT QUALITY CONTROL

All materials are subjected to 100% Input Quality Control inspection in accordance with quality control plans.

Materials that pass inspection are stocked at the relevant address specified in the ERP, taking into account their expiration date and lot numbers.



DESIGN

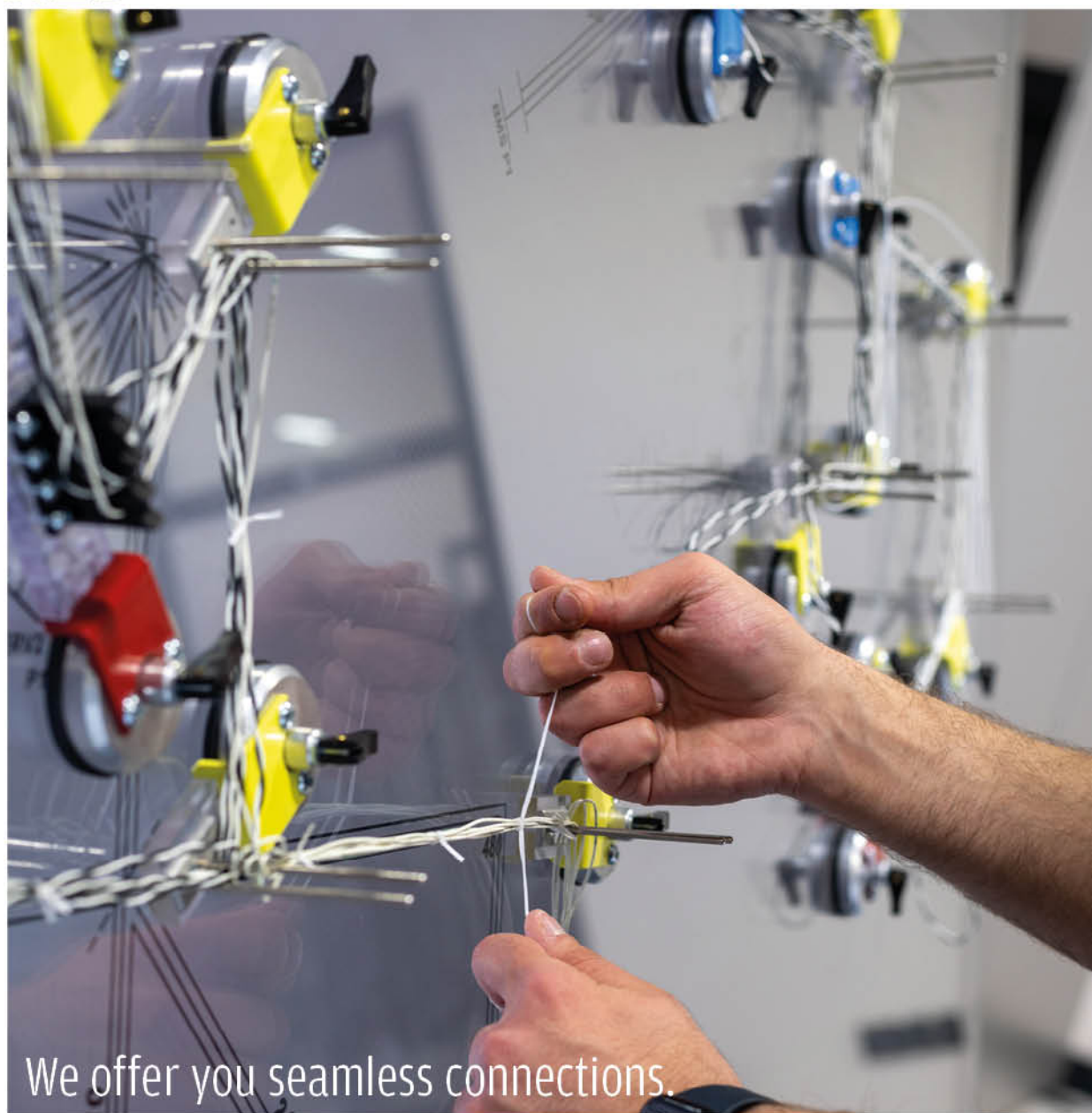
We offer seamless connections with over 20 years of design experience.



As MZD; We design open type cables, cable bundles used in electromechanical boxes and units resistant to the desired environmental conditions for Land, Air, Sea and Space Platforms.

We create prototypes for mass production by 3D modeling of cable bundles and high current cable assemblies that meet closed type EMI/EMC requirements.

We design RF cabling in accordance with customer requirements by selecting connectors suitable for flexible, semi-flexible and rigid RF cable types.



We offer you seamless connections.

PRODUCTION

We perfect our production stages
with the Laselec Easywiring Smart Assembly Panel.

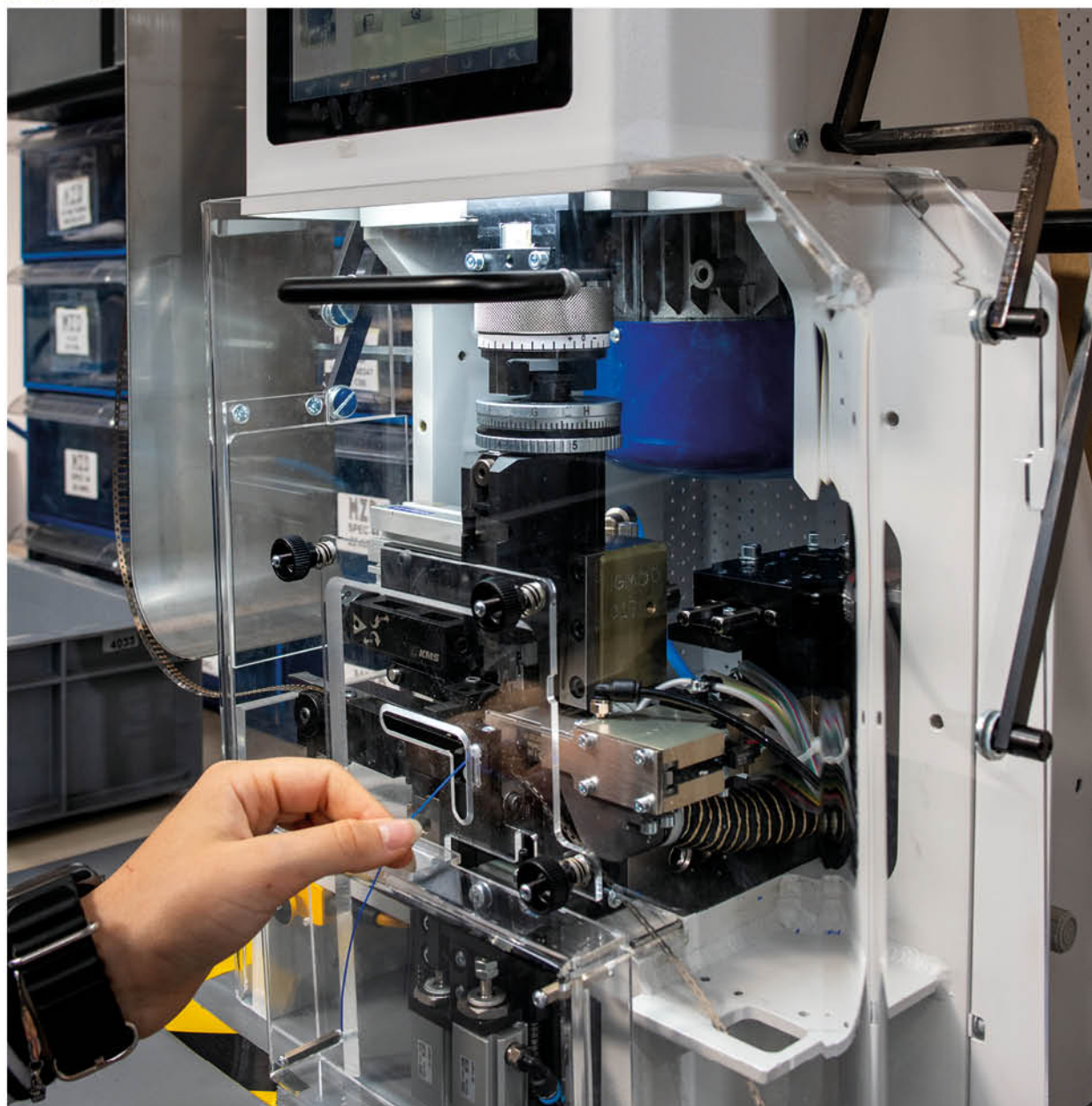


As MZD; We manufacture and design in accordance with IPC-A-610, IPC/WHMA-A-620 and IPC J-STD-001 requirements.

We produce and test flexible, semi-flexible and rigid RF cable types in accordance with the required standards. We produce phase-coupled cables that operate with a 5-degree phase difference up to 20 GHz.

We design and manufacture the Ground Control Station, Programming, Main Body and System cabling of tactical armed unmanned aerial vehicles or unmanned aerial vehicle systems.

We also engage in intensive design and production activities in satellite communication systems.



High Technology in Cable Production



We assemble all kinds of mechanical components, cable sets, PCB boards and electronic components in work areas with IPC-A-610 ground ESD protection and tabletop grounding.

By cabling between units, we integrate on-site power and data cables suitable for all kinds of equipment in and on the vehicle.

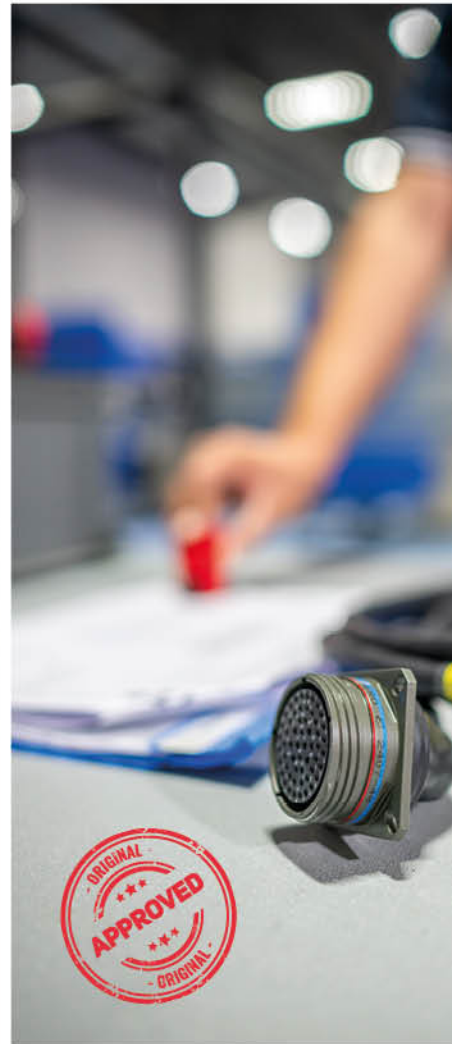
Traceability and efficiency studies are carried out with the ERP system we use at every stage of production.



QUALITY

All products without sampling

It is subject to 100% Quality Control inspection.



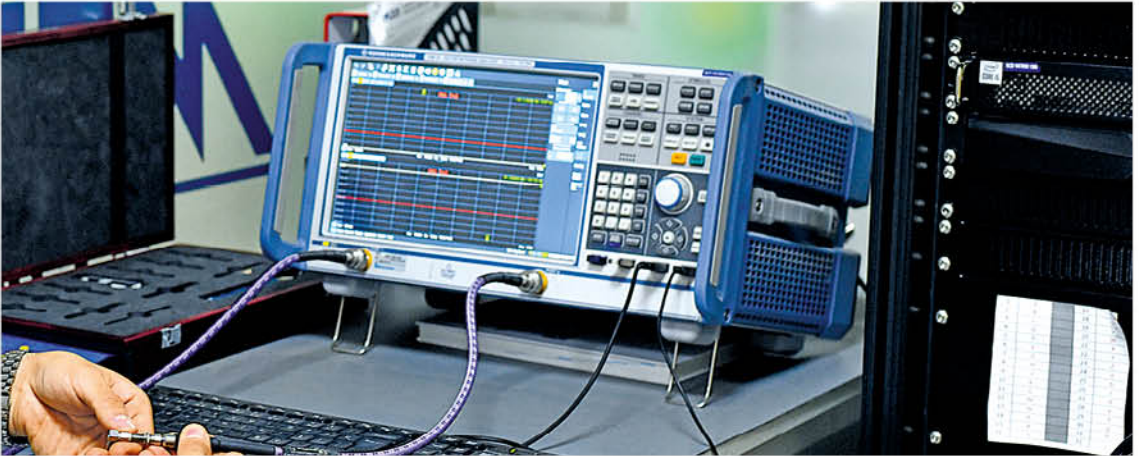
OUR QUALITY POLICY

- To design, produce and deliver on time in line with customer demands.
- Applying AS 9100 REV.D, ISO 9001:2015 Quality Management System at every stage of production.
- Creating a safe working environment by working in accordance with occupational safety and health legal regulations.
- To maintain machinery and equipment that keeps up with technological developments and to support employees with training in this direction.
- To carry out continuous improvement studies to ensure the sustainability of our quality policy in all processes.
- To keep our production quality at zero error level with in-service training in accordance with quality standards.



TEST

All products are tested with more than 1000 test jigs and high-tech testing devices.



WITHIN OUR COMPANY

- 1 Cable Test Horizon 2 with 640 test points.
- 2 adet 1024 test noktalı Cirris Easy Touch Pro.
- Continuity, insulation resistance and dielectric strength tests of cables are taken with 1 MK test device with 3072 test points.
- We have Rohde Schwarz Network Analyzer test device for RF cable tests.
- We take our tests with test jigs we produce ourselves. We have more than 1000 test jigs.

QUALITY CERTIFICATES



AS9100



NATO SECRET FACILITY



FACILITY SECURITY CERTIFICATE



ISO 22301: 2019



ISO 28001: 2007



ISO 31000: 2018



ISO 10002: 2018



ISO 14001: 2015



ISO 27001: 2017



ISO 45001: 2018

OUR REFERENCES

