

# MZD

## **Reliable Cabling Solutions** For Perfect Connections

MZD

[www.mzd.com.tr](http://www.mzd.com.tr)



## About Us

MZD has been established in İvedik Organize Sanayi Bölgesi in 2014 with the aim of designing and producing the cable equipment required by the Defense Industry and Private Sector and responding to the electromechanical installation needs with the experience of more than 20 years of the founder in the Turkish Defense Industry.



## Our Vision

As one of the leading companies in the domestic defense industry, who takes charge in every step of the process from requirements analysis to the product phase verified, performs wiring and design; being one of the best cabling system manufacturers in the world with innovative solutions in the Automotive, Defense Industry and Aviation sectors by the time of 2024, the 10th anniversary of our company.



## Our Mission

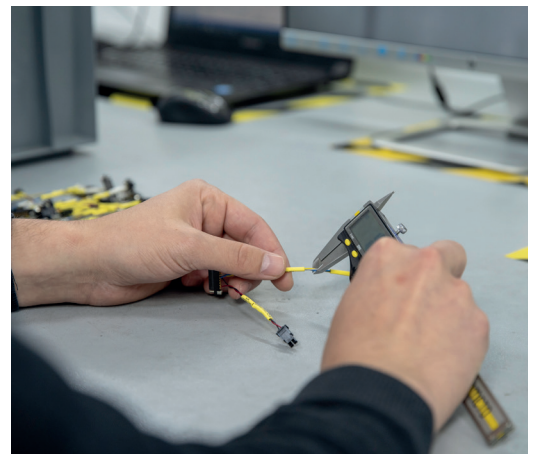
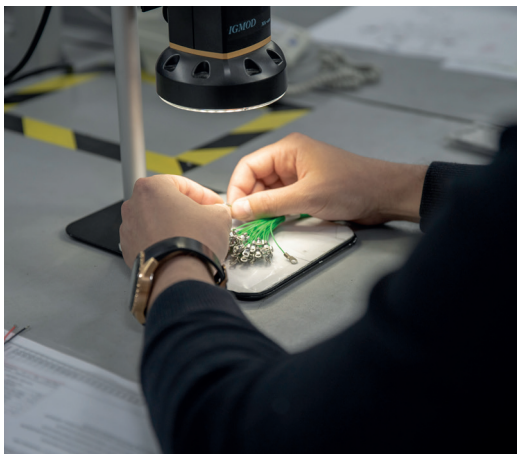
Within the frame of innovative, standards-defining, expert staff, technical infrastructure and constantly evolving quality management system; to provide quality production / design services in accordance with the needs of the times for defense industry, vehicle and electronics manufacturers.





# Quality Policy

To see "QUALITY" as an indispensable obligation by means of AS 9100 REV.D, ISO 9001: 2015 Quality Management System and to keep customer satisfaction superior to everything in our work in this frame, to work in compliance with legal and legislative requirements, to keep up with technological development and to be reliable with continuous improvement awareness, honestly planned and timely service, to work with trained personnel by attaching importance to the trainings and intervals planned to improve the career of the personnel working in our organization.



# Environmental Policy

Through ISO 14001: 2015 Environmental Management System; to use the resources efficiently and rationally, to implement recycling technology, to work in compliance with legal conditions and legislation, to organize education and awareness activities related to the environment both inside and outside the company, to organize such activities to provide support, to provide continuous improvement, to keep customer satisfaction superior to everything we do.



# Production

Our professional technical staff manufactures complex cable harnesses, electromechanical assemblies and up to 20GHz phase-equivalent RF cables.

As a cable harness company, all operators have the certificates IPC-A-610 (ACCEPTABILITY OF ELECTRONIC ASSEMBLIES), IPC/WHMA-A-620(REQUIREMENTS AND ACCEPTANCE FOR CABLE AND WIRE HARNESS ASSEMBLIES) and IPC-J-STD-001(REQUIREMENTS FOR SOLDERED ELECTRICAL AND ELECTRONIC ASSEMBLIES). Our staff is trained annually to ensure high quality and reduce costs, delivery times.

We are happy to guarantee low cost and high quality in our production according to the military standards.

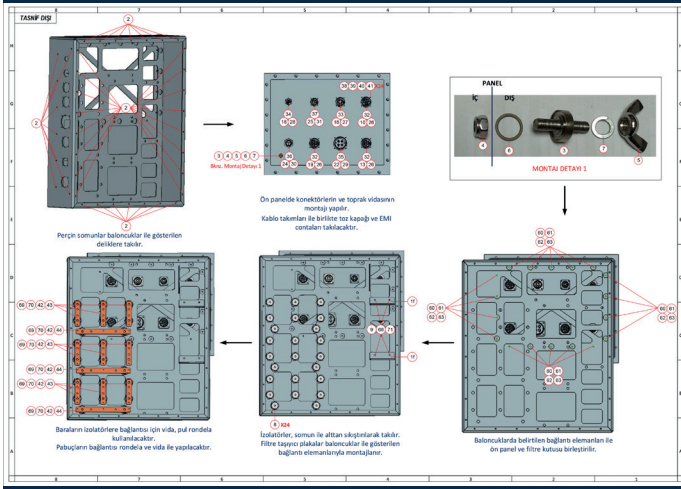






# Capabilities

The design and material selection of the cable harnesses are made in accordance with the military specifications. Based on customer requirements, the following products can be designed with our expert engineer team.



## 1. Design

Our engineering team serves our customers at every stage as system design and documentation for all kinds of cables and harnesses. The design and material selection of the cable assemblies is made in accordance with military specifications, IPC requirements and customer requirements. Our design capabilities are:

- Analog Cabling Design
- RF Cabling Design
- Electromechanical Assembly Design

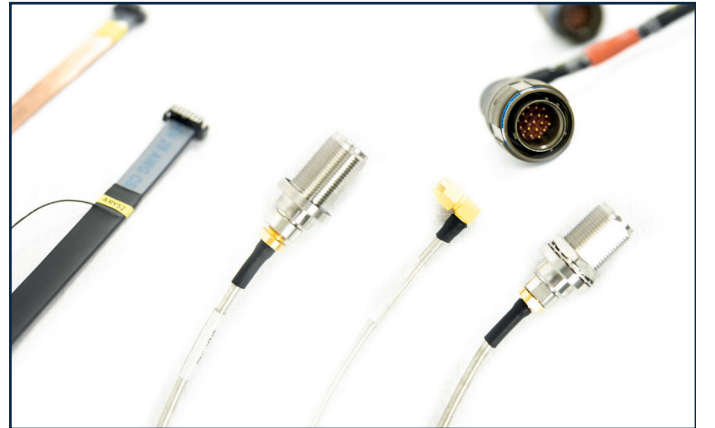
## 2. Cabling

### • Analog Cabling Production:

Open type, closed type cabling and power cabling are produced for Land, Air, Sea and Space Platforms with qualified personnel with industry experience.

### • RF Cabling Production:

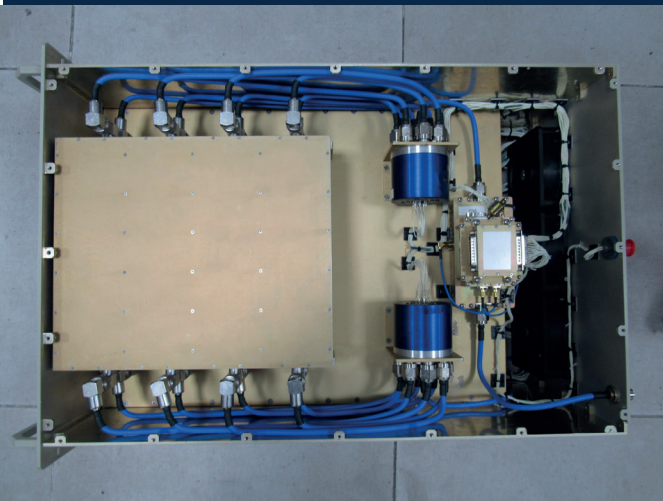
Flexible, semi-flexible and rigid RF cable types are produced and tested in accordance with the desired standards.



## 3. Electromechanical Assembly and Integration

Wiring sets, mechanical components, PCB boards and electronic components are assembled in workspaces with IPC-A-610 ground ESD, shielded and desktop grounding to achieve the final product.

On-site integration of inter-unit cabling and in-vehicle and on-vehicle power and data cabling is carried out.





# Test Capabilities

Continuity, insulation resistance and dielectric withstand voltage tests can be performed with three cable testers. The adapter cables which are manufactured by us have a mating connector of the wiring harness at one end, and the mating connector of the test machine at the other end. These cables are electrically pre tested and approved by our quality control team. Number of adapter cables is over 700 and continues to increase. Upto 20 GHz phase-equivalent RF cables can be tested.







## Infrastructure



### Cable Cutting and Stripping Machines

- Schleuniger – Ecocut 9300 Automatic Cutting Machine
- Schleuniger Coaxstrip 5200 Coaxial Cable Stripping Machine
- Schleuniger Rotarystrip 2400 Cable Stripping Machine



### JQ6100 Digital Cutting Machine



### Automatic Crimp Tools

- WA23 Heavy Duty Pneumatic Crimp Tool
- Z051401 Automatic Molex Crimp Tool



### WT3-201 Wire Crimp Pull Tester



### Electrical Test Machines

- Cirris Easy Touch Pro
- Horizon II Cable Tester



### Rohde Schwarz ZNB 20 Network Analyzer



### Cable Marking Machines

- Brady BP – PR300 Plus
- Brady BP – PR200 Plus
- Brady BMP71



## Our Values

- To offer environmentally friendly and healthy products and services focused on technology and energy efficiency.
- To create a corporate culture that does not compromise on ethical values.
- Not compromising on quality and ensuring its effectiveness.
- To inform the customer about the developments in the sector for customer satisfaction.
- Giving importance to communication as a socially responsible person.
- To be in cooperation based on confidentiality, impartiality, participatory, solution-oriented, honesty and trust.
- To provide the necessary support for continuous improvement.
- To contribute to the country's economy by focusing on domestic production.



## References







# Certificates



**AS9100 REV.D**  
Quality Management System



**Facility Security  
Clearance Certificate**

Ministry of National Defence  
of the Republic of Turkey



**Facility Security  
Clearance Certificate**

Ministry of Foreign Affairs of  
the Republic of Turkey



**ISO 9001:2015**

Quality Management  
System



**ISO 14001:2015**

Environmental Management  
System



**TS EN ISO 27001:2017**

Information Security  
Management System



**ISO 45001:2018**

Occupational Health and  
Safety Management System



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