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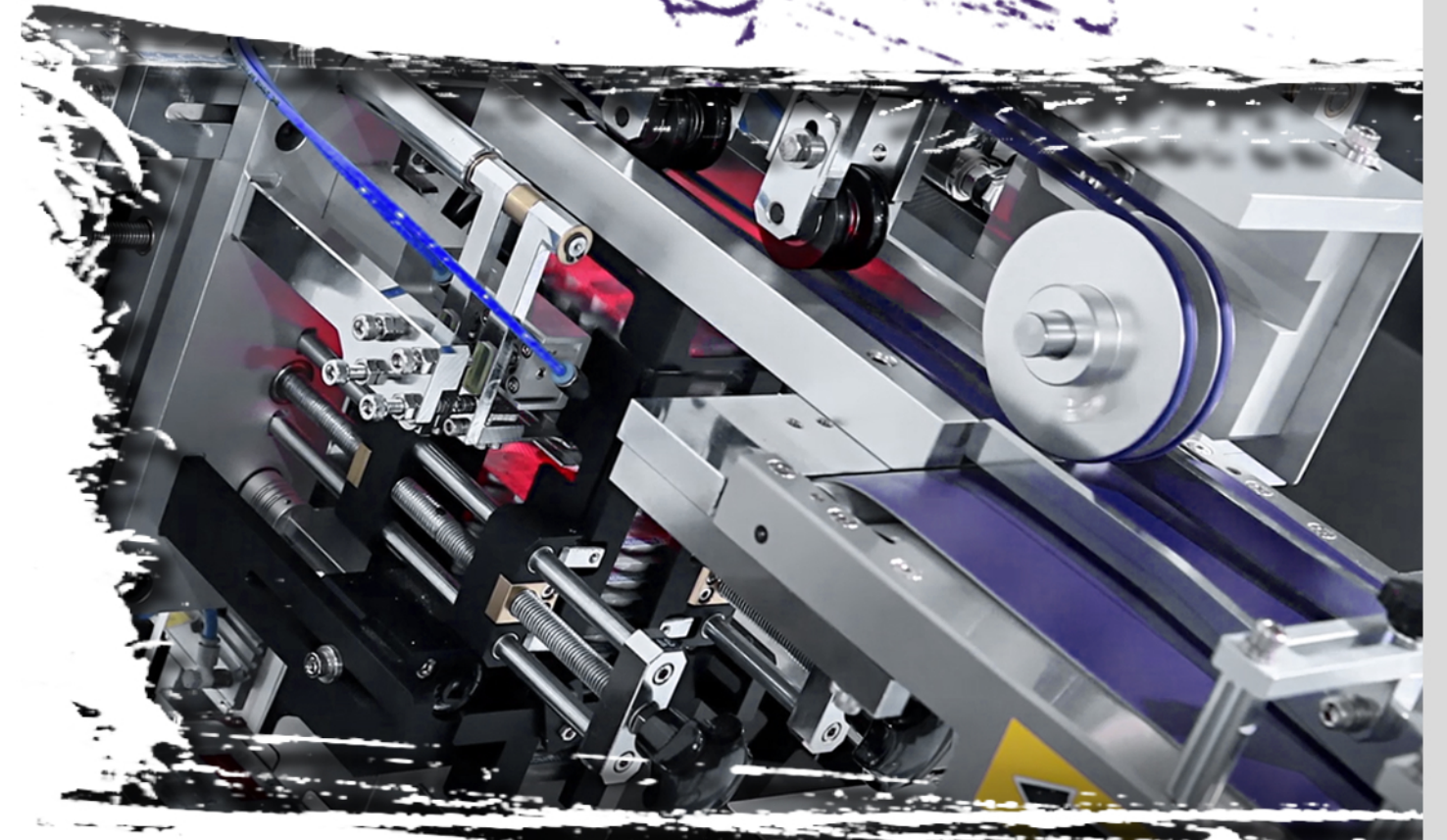
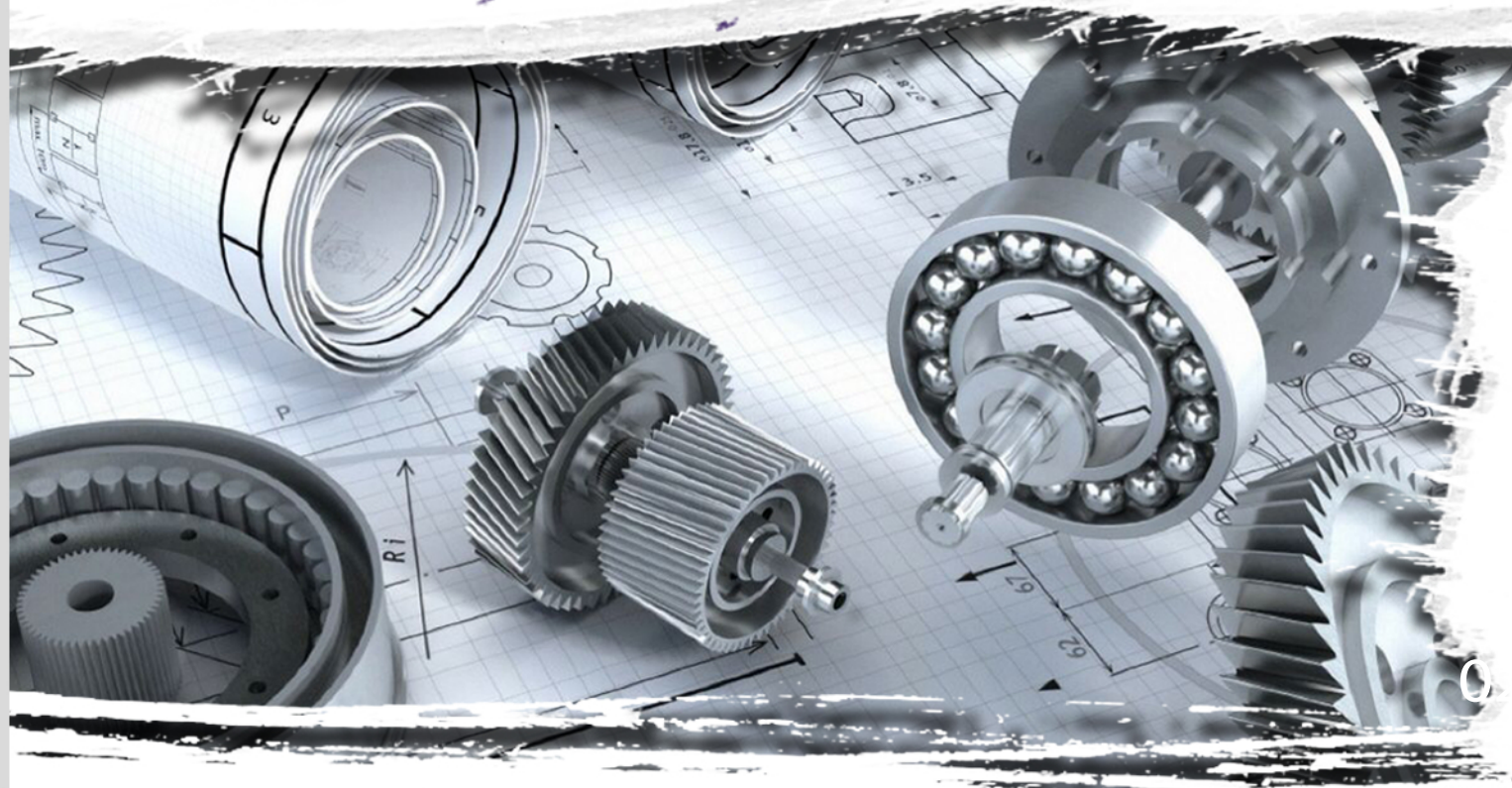


MAKYAJ
M Ü H E N D İ S L İ K

MAKYAJ ENGINEERING CATALOG

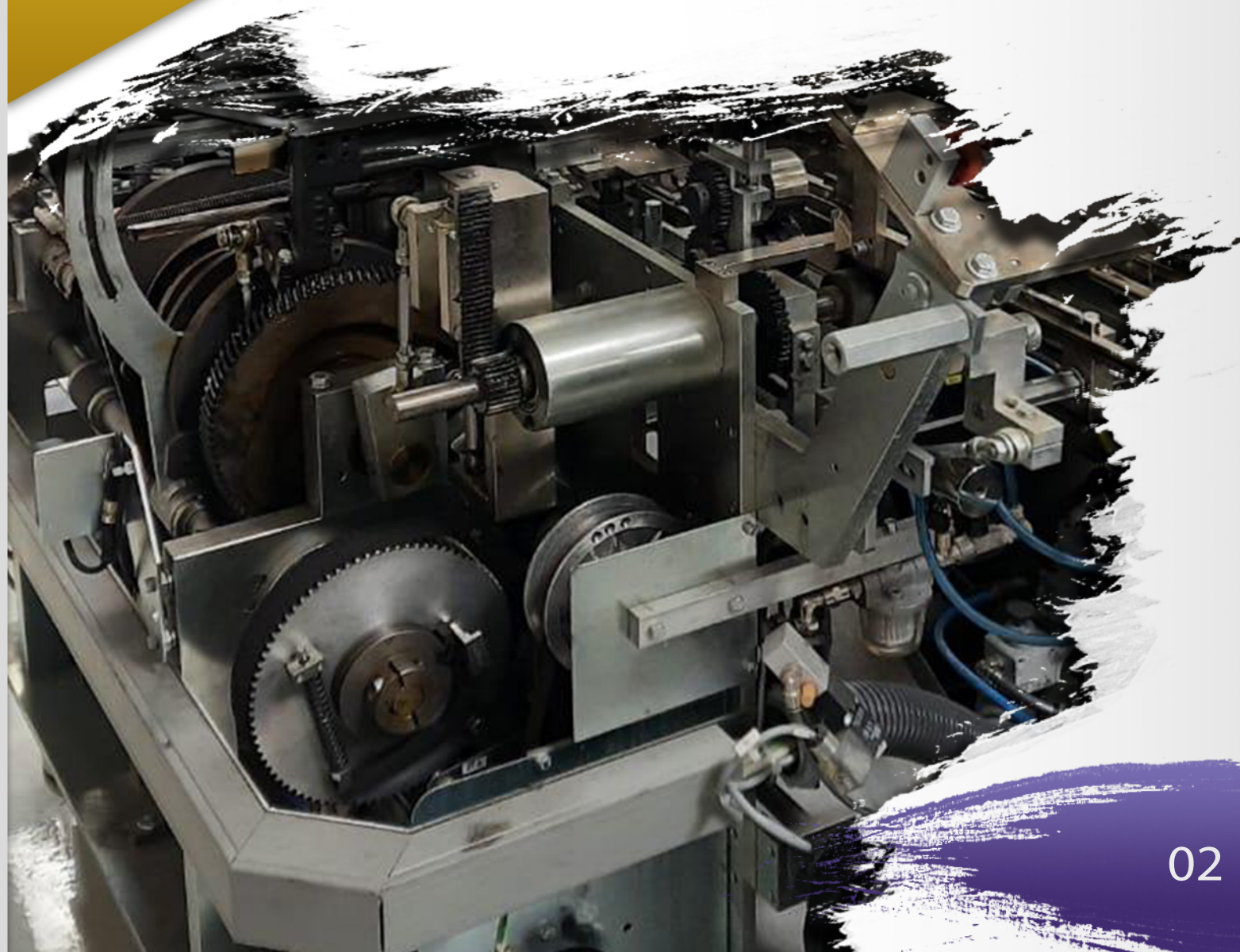
Societies that want to live comfortably without working, getting tired and producing; They are doomed to lose first their dignity, then their freedom, and then their independence and future.

H. Ortak



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ABOUT US

Makyaj Engineering, whose staff consists of Engineers and Experts who have served as supervisor in Global and Corporate companies in the Health Sector for many years; was established to provide quality and faster service whenever needed in the field of maintenance and repair to be a solution partner with a competitive price principle and to add value by establishing long-term relationships to local and foreign companies which are operating in the field of Pharmaceuticals, Medical Products, Bio-technology, Food, Food Supplements, Cosmetics and Chemistry. In line with this purpose, we enable our business partners to focus more on their main fields of activity instead of the workforce they will spend on machine and system efficiency, and enable them to reach a stronger and more competitive position in their sectors. Thanks to the business experience and knowledge we have gained over long years of work, we know very well the situation, needs, expectations and requirements of our business partners with whom we are solution partners. We are at your service with a strong supply chain system, especially to reduce production losses and foreign dependency. Our basic philosophy is to meet the demands of our business partners at the planned time without compromising on quality, with a service approach focused on the principle of satisfaction and continuity.

All Services Under One Roof



Customer happiness



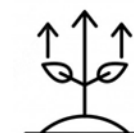
Best Price



Team Spirit



High Efficiency



Performance



One of You



Strong Supply Chain Infrastructure



Passion



OUR MISSION, OUR VISION

Makyaj Engineering Team's principle; Innovative approach to the machinery-equipment and infrastructure systems needs of businesses operating in the fields of Medicine, Medical Products, Bio-technology, Food, Food Supplement, Cosmetics and Chemistry in the fields of maintenance-repair and engineering, with the right solution applications, in a fast, timely, high-efficiency, providing business partner satisfaction-oriented solutions that comply with international norms and quality standards, at the least cost within the budget and in line with technological developments.

Our main goal is to support the continuous development of our business partners, to contribute to the formation of profitable companies nationally and internationally, and to help our industrialists contribute to the country's economy and create employment with their investments by recycling used and idle machines to production.

To end the foreign dependency of businesses by providing Turkey distributorship agreements of global companies operating in the field of machinery-equipment, infrastructure systems sales and after-sales services, and to offer faster and less costly solutions with the advantage of after-sales services.
To end the foreign dependency of businesses and provide employment in our country by producing globally competitive products, machinery-equipment, infrastructure systems and spare parts of these systems at a lower cost and faster with the advantage of domestic production.



OUR REFERENCES

Aydın Söke Fehime Faik Kocagöz Hospital
İstanbul Göztepe Prof. Dr. Süleyman Yalçın Hospital
Iğdır Dr. Nevruz Erez Hospital
Nazilli Hospital
Bilecik Eğitim ve Araştırma Hospital
Kars Harakani Hospital
İzmir S.B.Ü Tepecik Eğitim Ve Araştırma Hospital
Bandırma Eğitim ve Araştırma Hospital
Aksaray Eğitim ve Araştırma Hospital
Alsancak Nevvar Salih İşgören Hospital
Kırşehir Eğitim ve Araştırma Hospital
Kanuni Sultan Süleyman Eğitim ve Araştırma Hospital
Abdurrahman Yurtaslan Onkoloji Eğitim ve Araştırma Hospital

ÇAPA İstanbul Tıp Fakültesi Hospital
Gebze Fatih Hospital
Kırıkkale Yüksek İhtisas Hospital
Konya Numune Hospital
Mersin Toros Hospital
Mersin Tarsus Hospital
İstanbul Haseki Eğitim ve Araştırma Hospital
Ankara Gülhane Eğitim ve Araştırma Hospital
Düzce Dental Health Center
Mamak Dental Health Center
Bursa City Health Directorate
İstanbul City Health Directorate
Mersin City Health Directorate
Ankara City Health Directorate



OUR POLICIES

OUR QUALITY POLICY

To be an effective and reliable partner for quality, efficient production with uninterrupted service, meeting the needs and expectations of our business partners in all processes, ensuring satisfaction with the best price applications within the budget limits.

To be a pioneer of change and development within a principled, contemporary and continuous development-oriented working approach.

To provide our professional activities within the framework of honest, reliable, impartial and confidentiality principles.

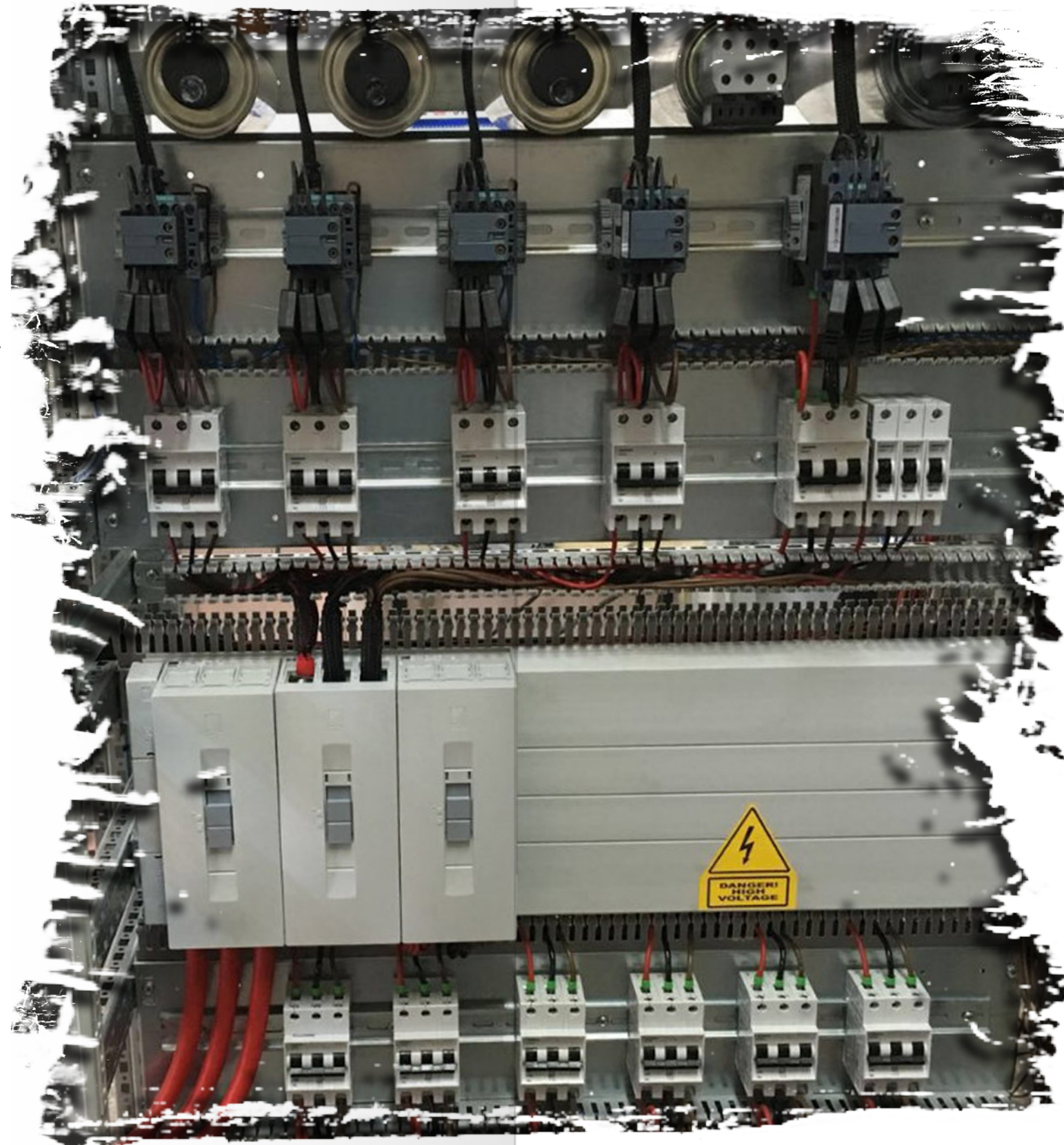
To produce and sell defect-free and high-quality products by adhering to ISO9001:2015 Quality Management System standards, and to provide quality service by ensuring the supply chain processes and after-sales service activities of these products.

To make continuous improvement both a tool and a goal by testing the latest technological products with the latest technological testing methods.

To provide production, supply, distribution and service in line with national and international norms and standards.

To ensure the formation of corporate culture by giving importance to teamwork with suppliers, stakeholders and employers.

To prevent future inconveniences by producing the most accurate and most economical solutions in the fastest way.



OUR POLICIES

OUR ENVIRONMENT, OCCUPATIONAL HEALTH AND SAFETY POLICY

To fulfill the requirements of Environmental Law No. 2872 and No. 7410, Occupational Health and Safety Law No. 6331 and relevant legal laws and regulations.

To take the necessary measures to protect our team, business partners and stakeholders from all kinds of work accidents and occupational diseases.

To detect, take precautions and eliminate factors that may cause occupational accidents and occupational diseases in businesses.

To ensure that our business partners and stakeholders complete the necessary training in order to ensure the effective implementation of Environment, Occupational Health and Safety management systems and to raise awareness.

To provide improvements in the use of natural resources and energy by businesses by developing modern projects with environmentally friendly systems for the effective use of energy and natural resources, based on continuous development.

To develop systems that will prevent sources of pollution and to ensure recycling by minimizing waste.

AREAS OF ACTIVITY

1-Sterile Production Machinery

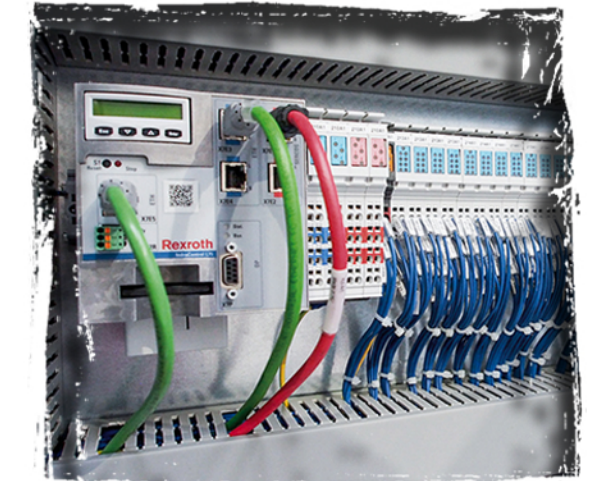
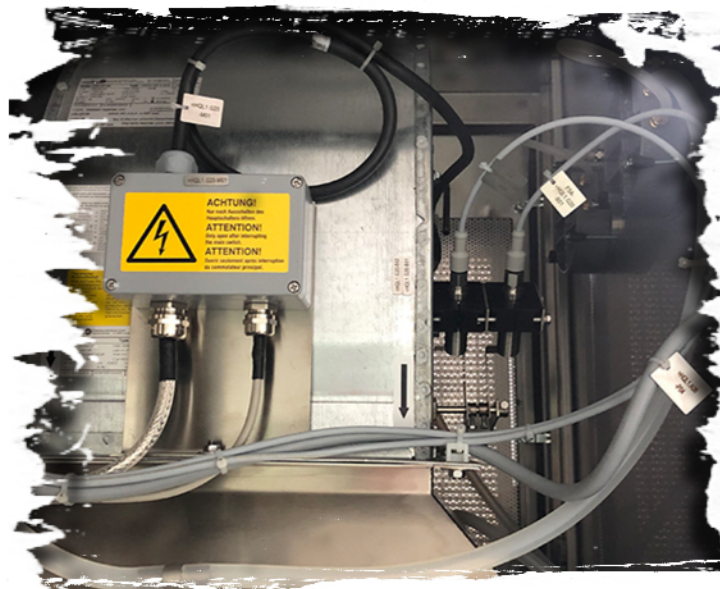
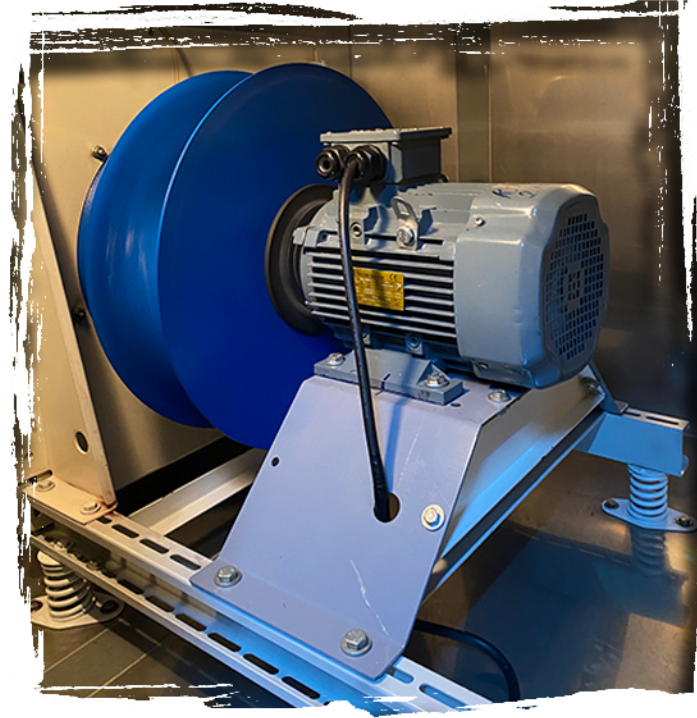
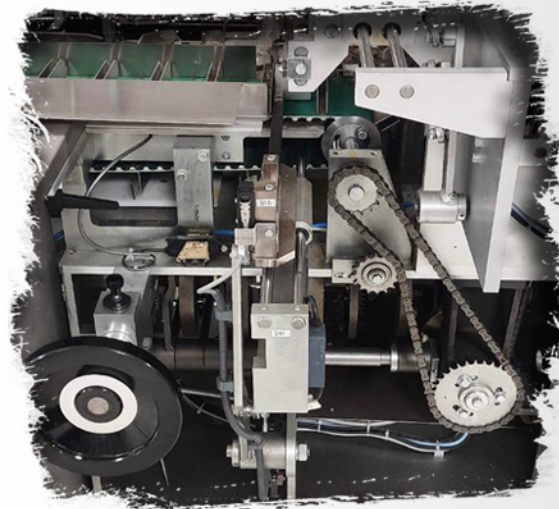
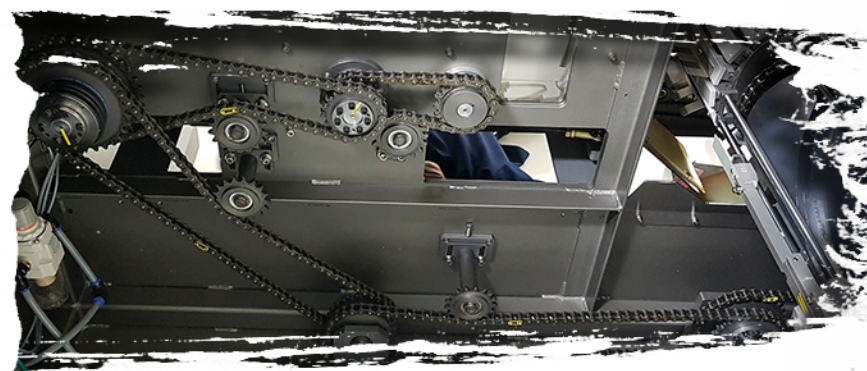
2- Non-Sterile Production Machinery

3-Packaging Machinery

4-Water Systems

- Raw Water
- Soft Water
- Purified Water
- Water for Injectable
- Pure Steam

5-Compressed Air Systems



6-Building Management Systems

7-Air Handling Units

8-Laminar Flow Cabinets

9-Industrial Heating and Cooling Systems

10-Fan-Coil

OUR SERVICES

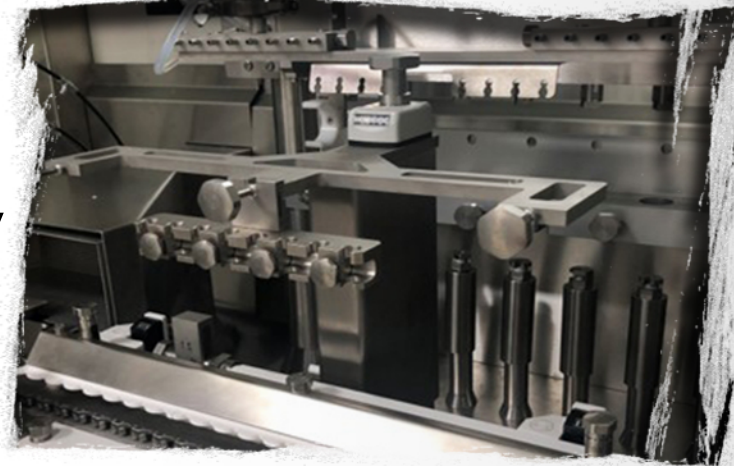
1- Maintenance - Repair

- Maintenance-Repair Agreements
- Corrective (Pro-active) Maintenance
- Predictive Maintenance
- Preventive Maintenance
- Troubleshooting
- Mechanical Failure - Repair.
- Electrical Failure – Repair



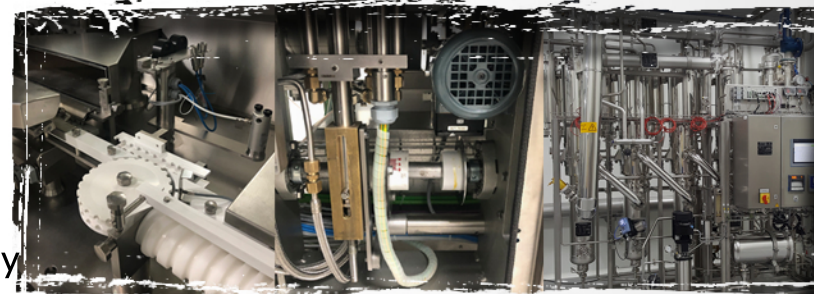
2- Spare Parts and Consumable Supply

- Mechanical Material Supply
- Electrical Material Supply
- Automation Material Supply



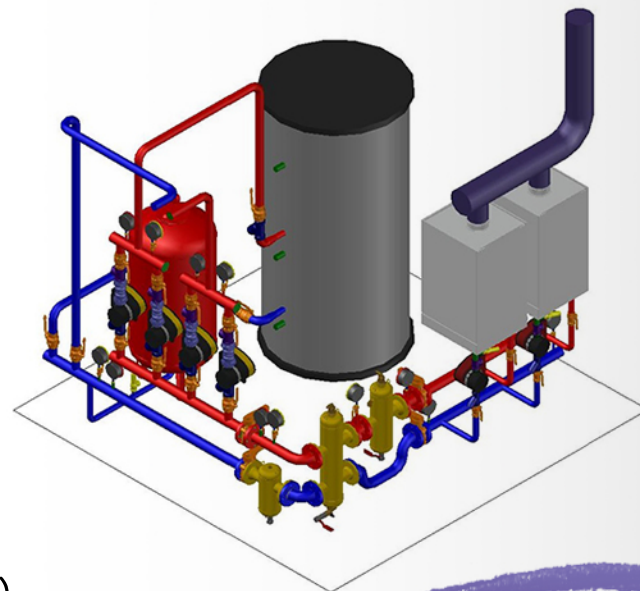
3- Machine-System Revision

- Turn-key Machine and Line Assembly
- Machine-System Disassembly-Assembly
- Workshop Manufacturing
- Performance and Efficiency Revisions



4-Project Design

- Architectural Detail Projects
- Mechanical Installation Projects
- Electrical Projects
- Renovation Projects
- Automation Projects
- Software Development Projects
- Lay out,
- P&ID (Piping and Instrumentation Diagram),
- PFD (Process Flow Diagram)



5- Consultancy

- Lean Manufacturing
- 6 Sigma
- 5S and Visual Management
- Operational Excellence
- OEE - Overall Equipment Effectiveness
- Kai-zen
- A3 (Kobetsu) Problem Solving Techniques
- Process Analysis and Improvement
- Cost Reduction Techniques
- Loss Analysis
- Daily Management System
- TPM Total Productive Maintenance
- Autonomous Maintenance
- MTBF
- MTTR
- Standardized Work Order Process
- Spare Parts and Stock Management
- Root Cause Analysis
- Corrective and Preventive Activity Analysis
- ECRS Analysis (Eliminate, Combine, Rear range,Simplify) /
- Risk Analysis
- Genchi Genbutsu Method
- Poke-Yoke Method



OUR SERVICES

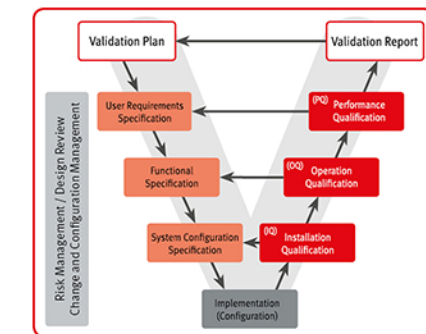
6- Energy Efficiency and Management

- Energy Saving Projects (Electricity, Natural Gas and Water)
- Energy Monitoring Systems
- Energy Reporting Systems



7- Qualification - Commissioning

- URS Preparation
- Design Qualification(DQ)
- Installation Qualification (IQ)
- Operational Qualification(OQ)
- Performance Qualification (PQ)
- Factory Acceptance Tests(FAT)
- Site Acceptance Tests(SAT)



8- Project Management

- Project Implementation
- Project Controller