



bien

BATHROOM PRODUCTS



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ERCAN GROUP OF COMPANIES

Ercan Group of Companies operates in the rapidly developing sectors of our country such as energy, tourism, insurance and building materials.

Our customer-focused approach, targeting sustainable development, lays behind our group's success achieved until present. Our group, which has made first investment thereof in the mining sector in 1965, is among Türkiye's outstanding group of companies. Returning the investments made in the mining sector in a short time thereby, our company has started to operate in different sectors and made great contributions to our country's economy with its synergy formed by rational policies and well-equipped human resources.

Ercan Group of Companies offers high quality products and services with over 4,000 employees employed thereby. Ercan Group of Companies, having achieved remarkable success thanks to an innovative and dynamic approach, continues to grow with each and every passing day with the valiant steps it has taken in the sectors it operates.



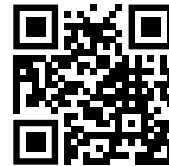


BIEN BANYO

Bien, a part of Ercan Group of Companies, is a key player in the building materials industry in Türkiye and the world. As a brand that stands out with its pioneering design identity, Bien adopts an environment-friendly approach and respects nature.

Bien Banyo (Bien Banyo Ürünleri Sanayi ve Ticaret Anonim Şirketi) is part of Ercan Group of Companies, which operates in the energy, tourism, insurance, and building materials sectors.

After deciding to focus on each category individually, Bien began to invest in ceramic sanitaryware (CSW) in 2011 and established Bien Banyo Ürünleri Sanayi ve Ticaret AŞ in 2017. Bien Banyo, focused on specializing in its specific product range and increasing its capacity, launched its sales and marketing activities in January 2018. Bien Banyo applies the latest technological innovations in its production and offers a broad product range, which includes ceramic sanitaryware, faucets, concealed cisterns, bathroom accessories and furniture.





MISSION

Our mission is to be a global company which is the most appreciated and preferred in the construction sector by using resources effectively and efficiently, aiming innovation and development constantly and adding value to life and living spaces by producing quality products and by being respectful to employees, the society and the environment.



VISION

Our vision is to create a brand that is liked and preferred in every structure that is built or in use in Türkiye and in target markets.

SOCIAL RESPONSIBILITY

Within the scope of social responsibility, school, patient guest house, social facilities are being built.



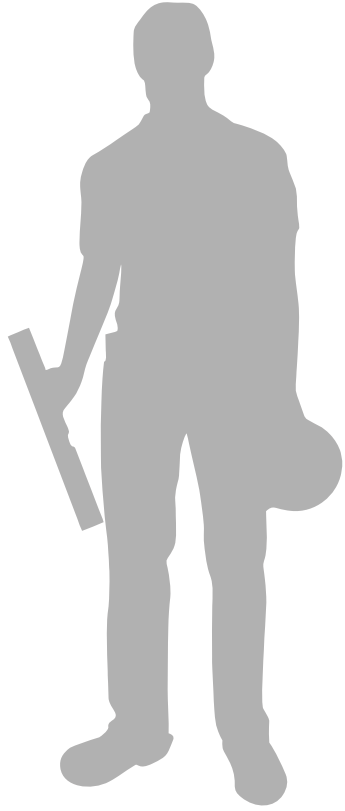
BİLEN SERAMİK INFORMATION HOUSE / BİLECİK MUNICIPALITY

Children, who are the future of our country will receive services as to training, education, culture, values and knowledge in many areas thanks to the Information House project established by Bien and Bilecik Municipality.



MELİHA ERCAN PATIENT'S GUESTHOUSE

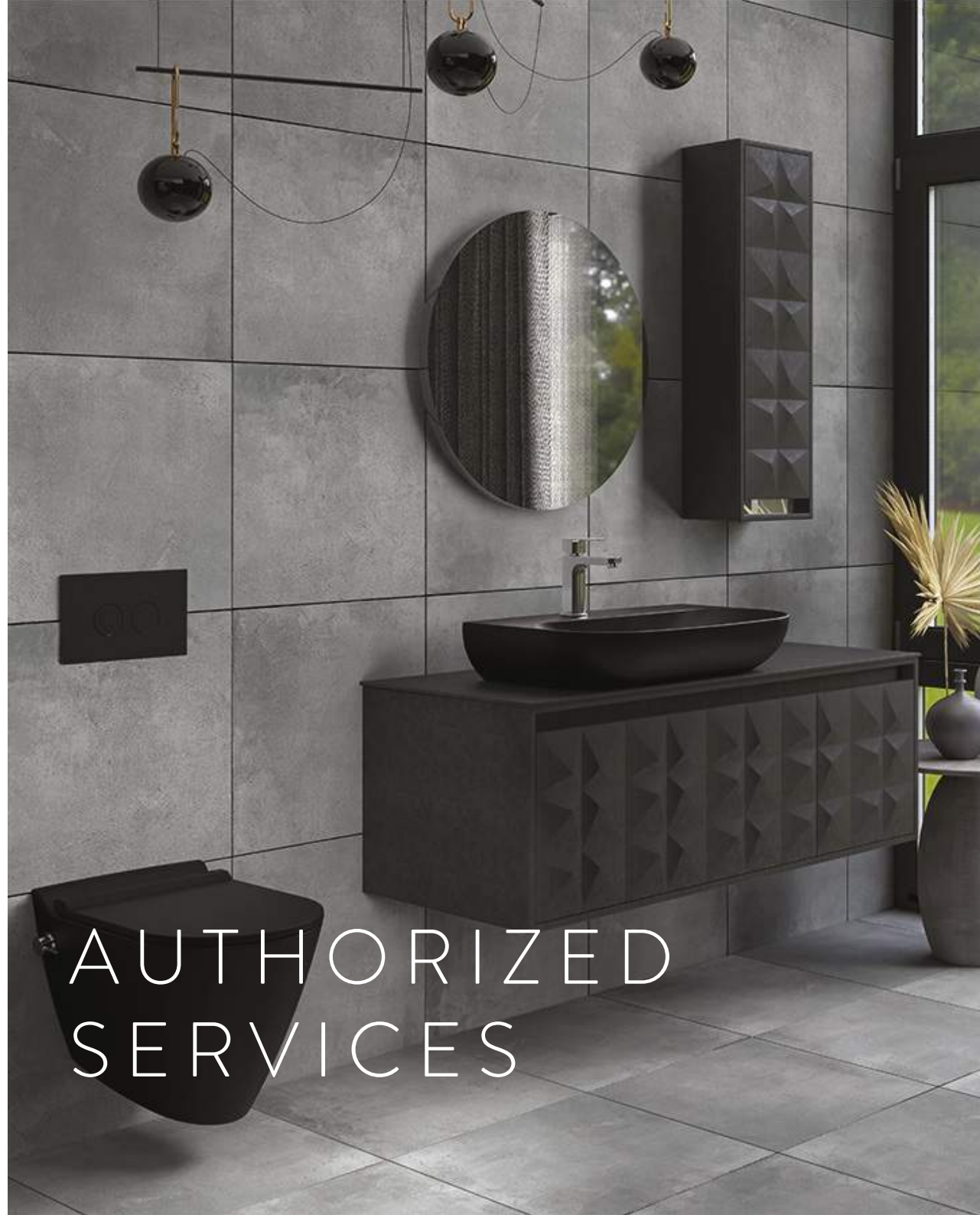
Meliha Ercan Patient's Guesthouse, which will serve patients and patients' relatives who are treated in University Medical Faculty Hospital of Selçuk started to operate.



bien
Handyman[®]

We have nearly 100 Authorized Services
in domestic and foreign countries.

90 850 466 64 44



**AUTHORIZED
SERVICES**

OUR COMMITMENT TO THE ENVIRONMENT

We design and produce the environmentally friendly building products, function in line with minimum water consumption and minimum cleaning needs in accordance with green building regulations.



TAPS & MIXERS PLANT

🏗️ **FOUNDATION** : 2020

📦 **CAPACITY** : 1.800.000 pieces/per year

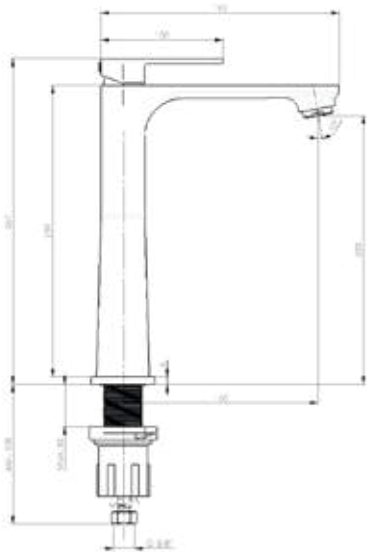
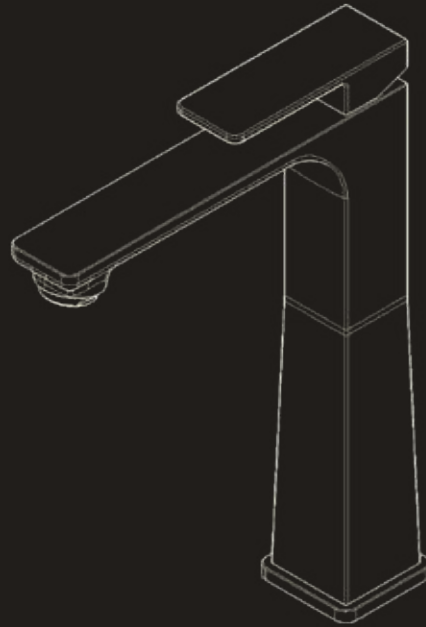
📍 **LOCATION** : BILECIK

🔧 **TECHNOLOGY & DESIGN** : We use the last technology to manufacture the perfect taps and mixers and supporting the modern designs by R&D department and technicians. %100 design and production made in Türkiye.

DESIGN

Our products are born from ideas, and engineered through the use of 3D Softwares.

The creative process combines the inspiration of the designers with the concreteness of the engineering and production departments

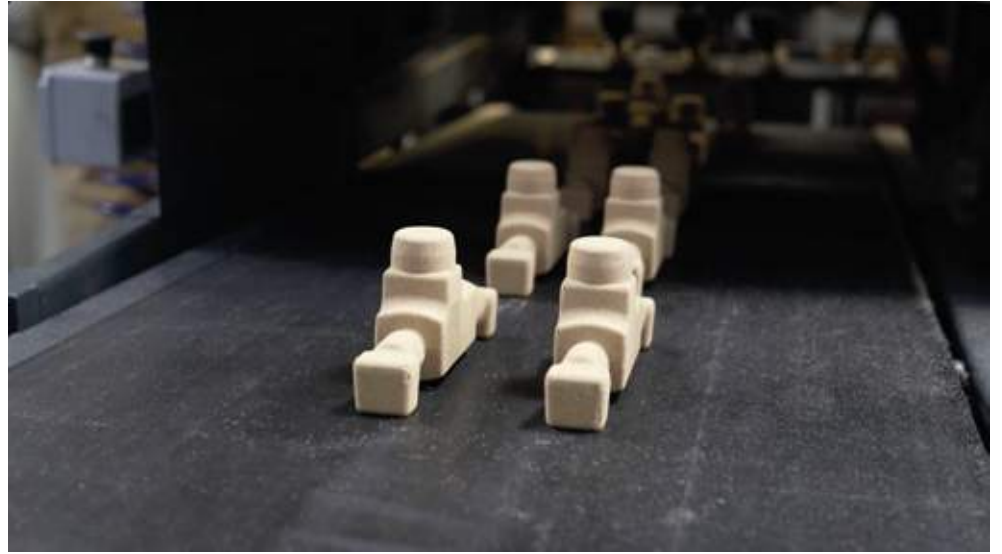


PROTOTYPING

Our ideas take their shapes by their creation of prototypes. Thanks to our Prototyping Lab and 3D-printing-farm, before industrial manufacture, the shape of design and ergonomics of the product can be easily checked and approved by this process.

SHELL CORE CASTING

Shell core casting or shell moulding as it is also known as a process for creating a core that is used in foundry casting. This core can then be used in a die to create interior contours in a casting.



DIE CASTING

The molten brass metal is stripped from the oven, collected in a ladle and poured into the mould through the casting channel. This is the first production step of our brass faucet bodies.

SHOT BLASTING

Solidified and cooled bodies gets a vibration process, the core crumbles into sand to get empty channels where the water will flow.



CNC MACHINING

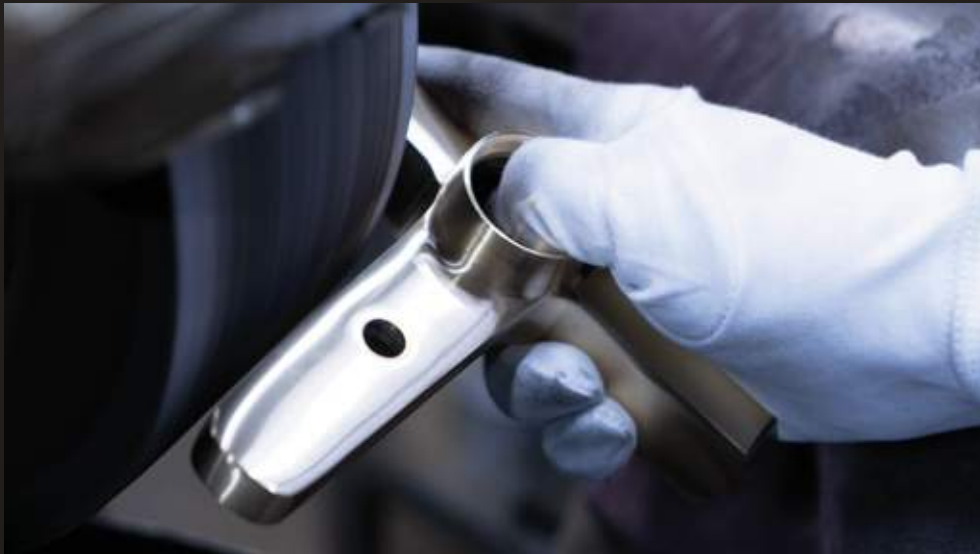
CNC machining is a metal fabrication method where written code controls the machinery in the manufacturing process. The code determines everything from the movement of the cutting head and the part to spindle speed, RPMs, etc.

Our all faucets parts produced by our fully automated CNC systems.

ECO CLEAN

The Eco Clean is a powerful spray flood cleaning system with a vacuum-tight work chamber. This item have been developed for fine cleaning applications, ensure an optimized fluid management, a high flexibility and improved process quality.

To provide and sustain a high quality plating standard for Bien Faucets, this process is the main.



POLISHING

Purpose of the polishing process is to reach perfectly smooth an shiny surfaces so that the light reflection becomes more uniform.

PLATING

With the best equipment and the most advanced technological resources, according to EN 248 Standard, we guarantee the greatest sustainability about chrome plating, for our customers.



DETAILS IN COLOURS

Bien's product philosophy has always been founded on the concept of wide colour range, thanks to PVD technology which has high chemical-physical performances, being very resistant to scratching, corrosion and abrasion.

Additional to PVD technology, The painting consists in fixing a layer of color on the previously treated product defining the color features, the brilliance or opacity. It is baked in the oven so as to give the product uniformity and durability over time.

QUALITY CONTROL

Taking note of the individual parts that will constitute the entire faucet so that they have no defects, to guarantee quality and resistance to a product aimed at satisfying the end customer.



ASSEMBLY AND TESTING

Final stage of the production process is the assembly lines, where all the semi-finished components coming from the related departments.

Every assembled item is tested by full automatic test devices to guarantee performance, reliability and durability over time with reference to the regulation EN 817.





CERAMIC SANITARY WARE PLANT

🏠 FOUNDATION : 2011

📦 CAPACITY : 1.000.000 pieces/per year

📍 LOCATION : BOZUYUK/BILECIK

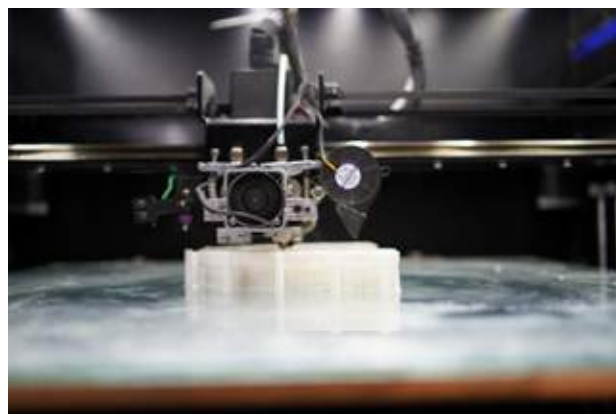


R & D DEPARTMENT

The R&D department, which consists of engineers and industrial designers from different disciplines, prioritizes customer, product and market demands and requirements, product standards, field needs, efficient production and long-lasting trouble-free and ergonomic use, providing customer and plumber-friendly products in principle, 3D modeling, CAE analysis, It carries out its studies on the development of part analysis, molding and production methodology. All preliminary principles, design, analysis, production equipments designs and developments are carried out by this strong R&D team. With this strong and experienced team, the company became the highest number of patents and design registrations company in the sector in a short time.



PROTOTYPING LABORATORY



After all products/parts and systems 3D models are approved in design on software, 3D-printed functional prototypes are made in the 3D-printing-farm facility of Prototyping Laboratory, subjected to measurement and function tests. After full success on measurements and testings, the production molding stage is started. This gives the power to start production with 100% correct product/part, prevents errors that may be encountered in mass production, and helps the production of product/part in a much shorter time.



HIGH PRESSURE CASTING MACHINES

High-Pressure Casting systems, which are the latest technology of ceramic sanitary ware proses, are applied in production, and the machines of the industry-leading companies of the world and Türkiye are used.

CASTING BENCHES

In order to provide model and product variety, traditional casting methods are used efficiently and successfully with semi-automatic benches.



GLAZING ROBOTS

The application of coating the hygienic surfaces of ceramic sanitary ware products are used efficiently with the latest technology of our age, in order to provide the necessary glaze thicknesses.



QUALITY CONTROL

All products are checked for 100% quality control and it is aimed to ensure customer satisfaction in terms of size, function and quality of the products. Our products are produced in a way that meets the standards of the relevant country, especially the European Union standards.



TUNNEL KILN

The firing of the products is done at 1230 °C for more than 14 hours. Energy efficient, natural gas used tunnel kiln of the leading brand of the industry is used.



BATHROOM SUPPLEMENTARY ITEMS PLANT

🏢 FOUNDATION : 2020

📦 CAPACITY : 500.000 pieces/per year Concealed Cisterns, 500.000 pieces/per year Toilet Seat Covers

📍 LOCATION : BILECIK

🧠 TECHNOLOGY & DESIGN : We are using the high technology to design and develop Bathroom Supplementary Products such as Concealed Cisterns, Actuator Plates, Toilet Seats and Intelligent Products.

And all the products are produced by using last technological machines and tools with low energy consumptions and lean production tools with high production efficiency.

All desing and developements are done by R&D Engineering & Design Team.
%100 design and production made in Türkiye.



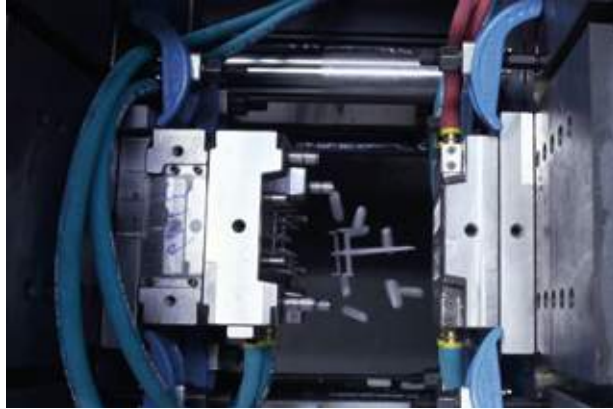
MEASUREMENT AND TESTING LABORATORY

From the prototype stage to pilot production, from the first approved products to mass production, all products and parts are measured and PPAP analyzes are carried out with precision and advanced measurement equipment in line with ISO 9001 quality management system and international product standards, and all products and parts are subjected to function and life cycle tests accordingly.



PLASTIC INJECTION MOLDING WORKSHOP

With the process parameters determined in line with DFMEA, PFMEA analysis and PPAP, it has aimed to produce parts with zero error, and in this direction, machinery, molds and auxiliary equipments infrastructure have been established. All molds and equipments have been designed and produced in such a way as to zero faulty production and fast mold/process changeovers.



PLASTIC INJECTION MOLDING WORKSHOP



It has an infrastructure that allows rapid machine/equipment start ups in capacity increases. With this power, all processes and workflows are clearly designed to prevent errors. The detailed manufacturing engineering studies we have constant molding repeatabilities in accordance with PPAP. Controls and analyzes are carried out by the production and quality teams in line with the ISO 9001 quality management standard and plastic part production principles.



PLASTIC INJECTION MOLDING WORKSHOP

In all processes, thermal conditioning (heating-cooling) systems have been applied in molds and auxiliary equipment so that mold conditions are kept very sensitive. By supporting the lean production system, advanced APS and MRP and fast mold change systems, high efficiency work and optimized stock levels were adjusted to produce parts on time, with minimum cost and with zero errors.



TERMOSET PRESS MOLDING (DUROPLAST) WORKSHOP

With the mold design and processes determined in line with the DFMEA analysis, highly efficient, optimized and very controlled production is carried out, and all the weaknesses of the production method have been developed and taken under control. Zero defect parts are produced by making instantaneous thermal condition measurements at 36 different points and making corrections within the production process.



METAL WORKSHOP

Metal parts are performed with fully automated laser cutting, progressive cutting, bending and robotic welding. Equipment with high corrosion resistance is produced with high quality coating and electrostatic painting processes.





ASSEMBLING WORKSHOP

In line with the principles of lean production, it is carried out with a fast efficient production assembly line that includes control at every stage.





PRODUCTION QUALITY CONTROL

Tightness, function, and measurement controls are carried out at every stage of production with 100% inline production control and periodic random quality controls.



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