



DEW EXPORT Co.
Serving World of Surgical Since 1991



COMPANY PROFILE 2022 -23



Pakistan
Germany
Australia
Malaysia



DEW EXPORT Co.

Dew export company has been manufacturing and supplying the Orthopaedic Instruments, Dental Instruments, Dental Implant Instruments, Surgical Instruments, Laparoscopic Instruments, Beauty Instruments Ophthalmic Instruments Retractors and other Medical instruments all over the world since 1991.

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ABOUT US

Our Company

For more than 30 years, **Dew Export Company** customers have been benefitting from our outstanding industry knowledge and our ability to provide high-quality Non Active Medical Instruments. We bring years of industry experience to each customer and constantly strives to meet our goal of 100% customer satisfaction. We believe in perfection, so all the instruments which we manufacture are sent to different well-reputed Surgeons worldwide. These surgeons test instruments in their clinics and their suggestions are seriously considered to make certain improvements in instruments.

DEW EXPORT COMPANY always provide our customers with a quote on instruments as per their required specifications. We not only dispatch customer's order within the agreed time but also facilitate our regular customers to meet their urgent orders by maintaining stock for selective regular instruments in our warehouses and factory. Sample orders are accepted from Potential customers, so they can evaluate the quality of our instruments before they place bulk orders. Being a manufacturer, our prices are very competitive & affordable for all type of customers. Regarding Packaging & marking of instruments, we offer branded services to all customers and provide their brand mark or their company logo on products.

Asfand Adil (C.E.O)



Dew Export Factory, Pakistan



History of Our Company

In year 1980, it was the time when some talented workers from the city of Sialkot, who were our forefathers joined hands with international companies to start production of surgical instruments. Later then, in 1991 production was initiated on the basis of samples that were brought by our forefather businessman to Sialkot from Germany.



Our Company Objectives

Dew Export Company is determined to cover more milestones to become one of the world leading company in non active medical producing industry. We aim to cooperate with new potential customer in every possible way. While ensure them about mutual business interest. Our priority is to serve humanity with high Quality Instruments for their well being.

OUR INTERNATIONAL REPRESENTATION



QUALITY STANDARDS

ASTM STANDARD

- **DEW EXPORT** applies international standards during its manufacturing. Following is a list and reference of those standards for our customers.
- Acquiring quality stainless steel as per ASTM standard F899-95 & ISO 713501.
- Corrosion of Surgical Instruments in conformity to ASTM standard F1089-02 F1089-02
- Passivation in Conformity to ASTM standard B967-05.
- Electropolishing as per ASTM standard B.912-02.
- Rockwell Hardness test in accordance with ASTM standard E18-00
- Cleaning and Descaling of stainless steel parts as per ASTM standard A380-99 (Ro5)
- To Select the proper grade from AISI 410, 420 AND AISI 304 Ac, several process are undertaken according to the guidelines of ASTM standard



Material Used in Different products

- Scissors - AISI 420 Japanese Stainless Steel.
- Gracey Curette - AISI 420 French Stainless Steel.
- Scalers - AISI 420 French Stainless Steel.
- Bone Rongeurs - AISI 420 French Stainless Steel.
- Root Elevator - TIPS AISI 420 French Stainless Steel & Handle AISI 304 Japanese Stainless Steel.
- Chisel & Bone Scrapers - AISI 420 French Stainless Steel.
- Extracting Forceps - AISI 410 Japanese Stainless Steel.
- Forceps - AISI 410 Japanese Stainless Steel.
- Tweezers - AISI 410 Japanese Stainless Steel.
- Retractors - AISI 410 Japanese Stainless Steel.
- Needle Holder - AISI 410 Japanese Stainless Steel.
- Orthodontics Pliers - AISI 420 Japanese Stainless Steel.
- Rubberdam Instruments - AISI 410 Japanese Stainless Steel.
- Mirror Handle - AISI 304 Japanese Stainless Steel.
- Osteotomes - AISI 304 Japanese Stainless Steel.
- Impression Tray - AISI 304 Japanese Stainless Steel.



DEW INSTRUMENTS MANUFACTURING PROCESSES

Forging

Instruments are made through Drop Forging Hammers using Dyas made of the best-quality D-2 Steel. The forgings later are put through the process of overall ring trimming and recentering / picking.

Inspection:

Before the forging is sent out for annealing, a visual inspection of forged instruments is made to ensure desired pattern and measurements are met with.

Annealing:

Annealing is a process which makes Stainless Steel soft for machining. Forged surgical instruments are annealed in vacuum furnaces to prevent corrosion. This is a slow process where forged pieces are heated to a predetermined temperature and later allowed to cool down very slowly over a period of time. This allows for easy machining and makes it suitable for forming, shaping, and sizing in the later stages.

Milling

Annealed products are machined and milled based on the requirements of the final design. Special cutters are used for introducing teeth, serrations, ratchets, box-joints etc ensuring exact perfection before filing.

Grinding

Milled products are next grinded using high speed grinding wheels and belts, to remove any excess material left in the forging process and also to size the instruments as per the required tolerances.

Inspection:

Instruments are once again inspected for defects in running lots to classify and take remedial actions accordingly.

Heat Treatment:

Instruments when sized and set for perfect fit are then heat treated in highly sophisticated furnaces. This process is used to harden the annealed Instruments as per the final requirements. This is also an important step as the hardness of the instruments must be within the acceptable range. Extreme hardening causes the instruments to break and not work properly.

Hardness test

The instruments are now tested using diamond tipped Rockwell hardness test equipment to ensure proper hardness of instruments

Final Polishing/Buffering

After technical inspection on all the instruments are polished as per the final requirements either to a mirror polish, satin or sand finish.

Ultrasonic Cleaning

A finished product and is now subjected to deep cleaning and decreasing of oils and finishing materials in ultrasonic cleaning machines before sending it for final inspection

Final Inspection

Instruments are individually hand-examined. Each and every feature of an instrument is examined including serrations, ratchets jaws, and teeth while testing the cutting, grasping, moving functions

Filing

Technicians take the adjoining pieces of instruments and set them together. At this stage, the final shape of the instrument assembles and is joined together using screws or rivets in case of forceps and scissors. The serrations, ratchets, and teeth are also aligned and straightened to form the perfect fit.

This process is very important in order to get accurate size, design, weight and pattern of the instruments based on the master sample.

Grinding

Instruments are next graded to remove deep scratches from the medium-coarse grinding and sizing in the previous stages, as per the requirements

Electro Polishing:

This is a process of anodically smoothening the surface of instruments that gives a shiny look which also removes burrs from instruments.

Polishing

In this stage, experienced workers give the final shape to instrument and make it smoother through use of different polishing equipments.

Sand Blasting

Instruments are then transferred to sand blasting unit where the joint, teeth and ratchet of instrument is air sand blasted to give them matt look and protect from rust while in usage. Sand blasting is effective for removing light or dark spots over instruments surface.

Sharp Edge Cleaning

Sharp edges are disbonded/removed to make the instruments smooth from all ways to avoid any failure during use.

Technical Inspection:

Instruments are adjusted in terms of teeth, ratchet, box joints, and movement in order to give perfect functionality to instrument while intended use. Instruments that do not pass QC are sent back to an earlier step depending on the corrective action.

Passivation:

During handling and processing operations such as forging, machining and forming, particles of iron, lead, steel or shop dirt may be embedded in or smeared on the surface of stainless steel components.

These components may reduce the effectiveness of natural oxide (passive) film that forms on stainless steel instruments

Labeling

Instrument that are approved by the final inspection are finally laser or stencil marked.

Ultrasonic Cleaning

A further ultrasonic bath ensures that no impurities are left on an instrument.

Color Coating (Optional):

Once instruments are ready, they are color coated (if required) according to customer's requirements, placed in a controlled industrial oven for certain amount of time for color to harden.

Packaging

Finally, each instrument is manually cleaned to make sure of removal of any grease, oil and foreign particles that may have been embedded during previous stages.

Final packaging is carried out in a controlled environment where humidity and temperature are well controlled. Specialized gloves, head netting and other personal wears are used to control packaging

Instruments are then packed in polythene bags, labeled as per the requirements of customer and make them ready for deposit



SURGICAL
Instruments



DEW EXPORT CO.
Serving World of Surgical Since 1981



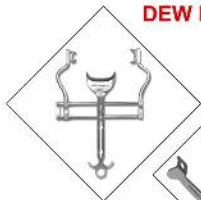
DENTAL
Instruments



BEAUTY
Instruments



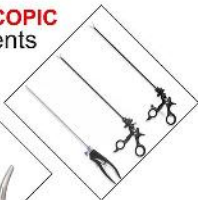
DEW RETRACTORS
Surgery



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LAPAROSCOPIC
Instruments



ORTHOPAEDIC
Instruments



30 YEARS
Excellence

DEW EXPORT CO.
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OPHTHALMIC Instruments



PRODUCTION



OUR CATALOGUES



OUR CERTIFICATIONS



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www.dewexport.com

Head Office Pakistan

Asfand Adil
+92 334 4557109
info.dewcompany@gmail.com
Latifabad, Sialkot, Pakistan

Germany Office Address

Shahnawaz
info.dewcompany@gmail.com
Vierbergen 1C 22111, Hamburg

Australia office address

Bilal Khan
+61 432788646
info.dewcompany@gmail.com
24 faulkner crescent, North lambton 2299.



www.dewexport.com