

PROWA



certified and approved instruments  
**FDA  
CE  
ISO** dental  
surgical  
beauty care



**PROWA**<sup>TM</sup>  
MEDICAL INSTRUMENTS

Prowa  
Medical  
Instruments

ملف الشركة

Unternehmensprofil

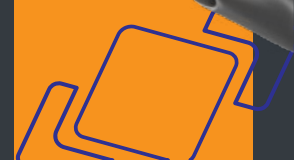
Profilo Aziendale

Profil de l'entreprise

Perfil de la empresa

Профиль компании

11<sup>th</sup> edition  
*company*  
**PROFILE**



an accredited  
FDA, CE & ISO Certified  
medical instruments  
manufacturing factory



the  
ultimate  
choice  
for  
healthcare  
professionals

we serve humanity

\* all logos or images are trademark of their respective companies.

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# CORPORATE MANAGEMENT

In order to create a platform to operate in a variety of surgical, dental, and beauty care instruments, the Chief Executive combined his visionary ideas and practical working principles. He have been successful in meeting customer expectations and helping their goals become reality through a mix of entrepreneurial zeal, professional quality, and in-depth grasp of the demand-supply dynamics in the worldwide healthcare business. He have achieved this by adjusting to a changing competitive environment, being steadfastly committed to quality, and exercising fiscal restraint. As a result, he have made significant advancements in line of instruments in a relatively short period of time.

“my belief,  
enduring &  
consistent  
quality

*inspiring*  
**WAHEED BHATTI**  
Chief Executive



Business Tycoon  
Philanthropist  
Politician

it is better to constantly  
make improvements than  
patiently waiting for  
perfection...

The head of finance manages and guides the managers in their duties. He is responsible for developing and implementing business plans to improve cost-efficiency. His responsibilities entails overseeing the company's overall business operations, financial performance, and building international relations with individuals and organizations.

The head of productions of the company is highly educated and enjoys having years of experience in medical instruments manufacturing industry. He has played a key role in transforming the company into a leading manufacturer and exporter of surgical, dental, and beauty care instruments in Pakistan.

The head of sales & marketing of the company is a visionary personality. Having vast experience, great communication skills and technical knowledge, he owns a good reputation for capturing international clients well.

Mr. Usman Bhatti  
Managing Partner / Production

Mrs. Shaista Bhatti  
Partner / Finance

Mr. Numan Bhatti  
Partner / Sales

Ms. Emaan Bhatti  
Design Engineer

Ms. Rumaan Bhatti  
Human Resource

and, together  
we can do  
so much.

yes, we are the best team !



# FOREWORD & MISSION STATEMENT

Prowa Medical Instruments has been an accredited medical instruments manufacturing factory that has gained an enviable reputation for the manufacture and supply of non-active, reusable dental and surgical instruments, beauty care instruments, diagnostic devices, hospital furniture and hollowware.

you | prowa

ensuring quality  
**ensuring quality**  
 at every manufacturing step...



delivering excellence  
**since 2011**

**we do not compromise.  
 do you?**

We lead the industry with our commitment to innovation, service, and quality.

### mission

Seeking to become an ethical manufacturer of quality medical instruments by fulfilling the customer demands and exceeding customers' expectations in terms of service, price, quality.

### vision

To be known as the top medical instruments manufacturing factory in the country, and implementing and adopting a new modern approach to innovation, performance, and marketing which is oriented towards the customer.

#### intelligent sourcing

By choosing the finest quality raw materials and employing trained human resources

#### cost efficiency

By employing efficient means of production to preserve resources

#### price control

The cutthroat pricing strategy to cater even the low order quantities.

# GLOBAL OUTREACH

The international targeting and presence assists the progress of the company to firmly investigate and explore the western business trends that helps research and development team to modernize and revise the related product lines and departments.



exporting to  
**50**  
 countries

contributing  
 in **310**  
 million surgeries  
 performed every year  
*globally*  
\* source: NIH

Providing value to our clients is the center of our commitment and our brand identity centers around this promise.

**expanding horizons,  
 beyond boundaries**



# QUALITY CONTROL

The key elements for success of Prowa Medical Instruments are comprehensive technical know-how and innovative capacity. Whether we develop an entire new product or simply add an important detail to something already existing: we are always determined to ensure perfection as an outcome.

Prowa Medical Instruments has achieved and maintained:

- The European Authorized Representative (EC REP) Certificate
- The EUDAMED SRN under EU Medical Device Regulation (EU MDR 2017/745)
- The QMS compliant with EU Medical Device Directive (EU MDD 93/42/EEC)
- The QMS according to cGMP by U.S. Food and Drug Administration (U.S. FDA)
- The QMS according to the ISO 9001 and ISO 13485 standards
- The manufacturing factory according to the ISO 14001 and ISO 45001 standards

All the instruments manufactured uses AISI grade 304 and grade 410/420 steel that comply with substantiated quality standards that we hold, ISO 9001, ISO 13485, CE Mark Compliance, and are U.S. FDA Greenlisted.

Furthermore, our company adheres strictly to the international quality standards, and to build the customers' trust we hold the following quality management certifications as well: ISO 7151, ISO 7153-1, ISO 11135, ISO 13402, ISO 17664, ISO 17664-1, ISO 21850-1, ISO 14971, ISO 15223-1, ISO 20417, ISO 11607-1, ASTM A380-06, ASTM F899-20, and REACH Regulation (EU).



# 250+

workforce and sub-contractors

# 98%

employee retention

# 97%

client retention

# 55+

in-house machines

# 5K+

range of instruments

... always striving to be better than yesterday!

# MEMBERSHIPS & CERTIFICATIONS



ISO 9001



ISO 13485



GMP, FDA USA



European Representative



CE Mark



GMDN Agency



ISO 14001



ISO 45001



No Child Labour



# RANGE OF PRODUCTS

## dental instruments

Dental Forceps - English Pattern  
 Dental Forceps - American Pattern  
 Root Elevators, Towel Clamps  
 Delicate Retractors  
 Bone Elevators  
 Tongue Depressors  
 Bone Curettes  
 Dental Probes & Scalars  
 Enamel Instruments, Excavators  
 Amalgam Condensers  
 Gingivectomy Knives, Filling Instruments  
 Cement Spatula, Modelling Instruments  
 Matrix Retainers & Bands  
 Impression Trays, Operating Scissors  
 Orthodontic Pliers  
 Micro Scissors, Dressing Forceps  
 Artery Forceps, Operating Knives  
 Needle Holders  
 Holloware  
 Articulators

## surgical instruments

Percussion Hammers & Aesthesiometers  
 Scalpel Knives, & Scalpel Handles  
 Scissors, Forceps, Clamps  
 Needle Holders  
 Suture Instruments & Probes  
 Hooks & Retractors  
 Intestinal & Rectal Instruments  
 Biopsy Forceps, Gall Duct Forceps  
 Vaginal Specula  
 Uterine Dilators, Probes & Forceps  
 Biopsy Forceps  
 Uterine Scoops, and Obstetrics Forceps  
 Rib Raspatories & Separators  
 Punches, Rongeurs and Saws  
 Bone Levers, Raspatories  
 Bone Curettes, and Mallets  
 Osteotomes, Bone Holding Forceps  
 Bone Rongeurs, Meniscus Knives  
 Wire Cutting Pliers, Plaster Shears  
 Suction Instruments  
 Holloware Instruments  
 Tungsten Carbide Instruments

## holloware

Cassette Trays  
 Wire Mesh Baskets  
 Sterilizer Drum  
 Instruments Boxes  
 Gallipot  
 Kidney Bowls  
 Dressing Jar  
 Measuring Jar  
 Urinal Pots

## hospital furniture

Hospital Bed  
 Intravenous (I.V) Stand  
 Instruments Trolley  
 Mayo Table  
 Soiled Linen Trolley  
 Bowl Stand  
 Examination Lamp  
 Ward Screen  
 Mounting Step  
 X-Ray Film Viewers  
 Kick Bucket

# PRODUCTION RANGE

Manufacturing diverse

## beauty care instruments

Barber & Dressing Scissors  
 Nail Cutters  
 Cuticle Nail Nippers  
 Nail File Product  
 Eyebrow Tweezers  
 Manicure Instruments  
 Pedicure Instruments  
 Shaving Razors & Belts  
 Corn Cutter, Foot Files  
 Eyelash Tweezers

## diagnostic devices

Laryngoscope  
 Otoscope  
 Dermatoscope  
 Ophthalmoscope

# INSTRUMENTS CARE & REPAIR

ISO / IEC 17025  
 certified

Surgical and Dental Instruments are designed and manufactured with utmost care. They are made for careful handling during use and sterilization. To achieve the goal of long and satisfactory service, ensure that an instrument is used to perform the function for which it is designed. During surgery and sterilization all the medical instruments must be handled correctly.

*cleaning and caring*

## cleaning

All the instruments should be cleaned after use. Blood, tissue should not be allowed to dry on the instruments, these shall be submerged in a solution of water and neutral pH(7) detergent.

## lubrication

Immediately after cleaning the instruments, these should be carefully dried. All the instruments with hinges, locks and other moving parts such as scissors, hemostatic needle holders etc. should be lubricated.

## autoclaving

For individual instruments, make sure that you use a wide enough pouch for instruments with ratchet lock so the instruments can be sterilized in unlocked position. In case of sets, place the instruments in a stainless steel instruments tray.

## sterilization

Always use the proper sterilization / cleaning technique to render the instruments in the required condition for use. Sterilization of instruments does not replace cleaning. Instruments must be cleaned first and then sterilized.

## repairing of instruments

Prowa Medical Instruments can repair all manner of instruments. All surgical and dental instrument repairs carried out are to an exceptionally high standard. All Instruments are repaired to Original Equipment Manufacturer (OEM) specification in accordance with the recommendations laid out in EU MDR and U.S. FDA regulations to ensure longevity of repair and protection of materials and hardness, which can be detrimentally affected by a non-OEM repair. The manufacturing of 5000 new instruments uses as much carbon as powering a house for a whole year, though the energy consumption of a repair is small compared with mineral extraction and stainless steel production.



# SURGICAL INSTRUMENTS

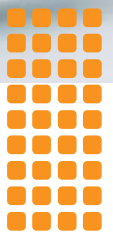


SUPPLYING  
QUALITY  
INSTRUMENTS  
SINCE  
FOREVER

seeking excellence?

confidence  
in every  
**incision**

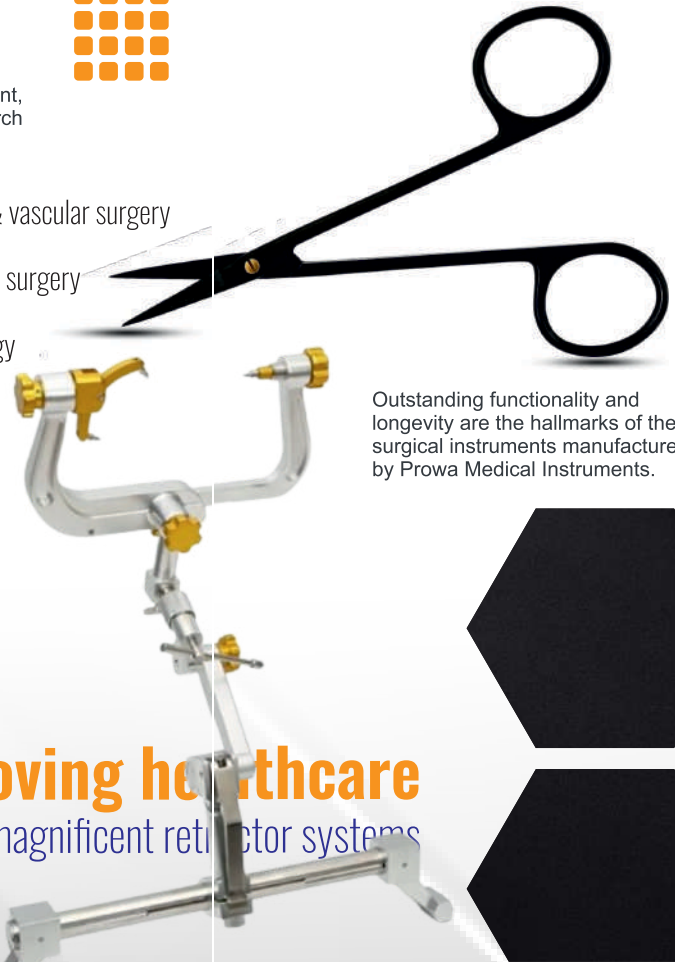
Our instruments are what makes a difference for surgeons. All of this can be attributed to the commitment, accuracy, and attention we put into instruments' research and development that assists in each useful surgery.



next level  
performance  
**tungsten carbide**  
instrumentation

## disciplines

- Cardiac, thoracic & vascular surgery
- Craniomaxillofacial surgery
- Gynecology, Urology
- General surgery
- Plastic surgery
- Orthopedics
- Neurosurgery



Outstanding functionality and longevity are the hallmarks of the surgical instruments manufactured by Prowa Medical Instruments.

The process of manufacturing the surgical instruments combines high tech methods with traditional, manual workmanship.

**improving healthcare**  
through magnificent retractor systems



# DENTAL INSTRUMENTS

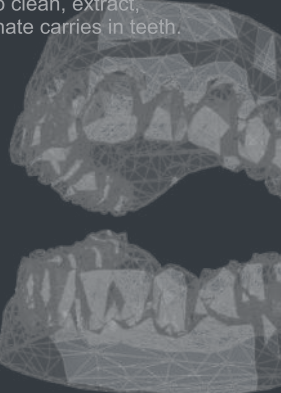
Dental Instruments are made of stainless steel according to DIN EN ISO 7153-1 and therefore biocompatible, corrosion-resistant and non-toxic in a biological environment.

versatile trays



GRACE-Y  
all you need!

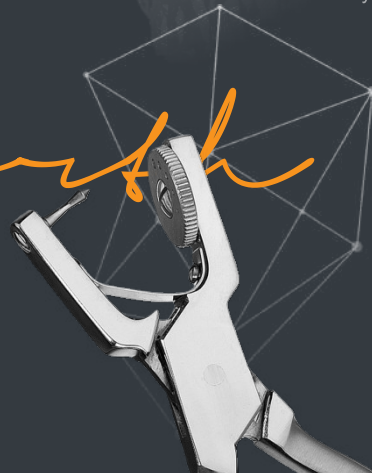
The dental professionals including dentists, hygienists, and dental assistants use various types of instruments to clean, extract, reconstruct, and eliminate carries in teeth.



dental perfection made easy

the *work* that lasts

Our dental instruments are designed for invasive and surgical-invasive treatments in dental medicine.



*innovative*  
dentistry



ortho  
perio  
endo  
pedodo

complete range

**Precision. Passion. Perfection.**  
in every instrument manufactured

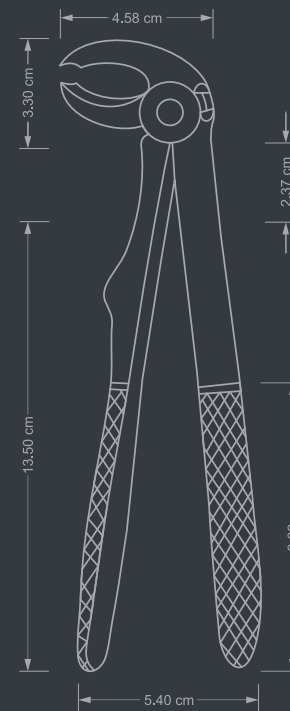
EXPERIENCE  
LUXURY



elevate your  
dental game

2d & 3d technical drawings

precision with computer numerical control technology



\* This technical drawing is just a sample, actual measurements and parts may differ.





# BEAUTY CARE INSTRUMENTS

RoHS and REACH compliant instruments produced for beauticians, facial experts and beauty therapists to provide the finest treatments.

- Eyelash Tweezers
- Hair Extension Pliers
- Hair Cutting Scissors
- Thinning Scissors
- Razors / Shapers
- Nail Cutter
- Cuticle Pusher
- Cuticle Nipper
- Nail Buffer
- Nail File
- Foot File
- Nail Brush

*a touch of luxury*



# DIAGNOSTIC DEVICES

We are producing a diverse range of finest quality laryngoscopes & related medical diagnostic devices.

LARYNGO | OTO | DERMATO | OPHTHALMO

# SCOPE



metal handle  
CONVENTIONAL



plastic body  
DISPOSABLE



\* Available in Conventional & Fiber Optic



# HOSPITAL HOLLOWWARE

sterilization  
trays. baskets



- Cassette Trays
- Wire Mesh Baskets
- Sterilizer Drum
- Instruments Boxes
- Gallipot
- Kidney Bowls
- Dressing Jar
- Measuring Jar
- Urinal Pots

Our instruments are decontaminated with three way sterilization using ETO, Enzymes & TRI before final washing and UV treatment.

urinal & fecal



# HOSPITAL FURNITURE

effortless  
mobility



- Hospital Bed
- Intravenous (I.V) Stand
- Instruments Trolley
- Mayo Table
- Soiled Linen Trolley
- Bowl Stand
- Examination Lamp
- Ward Screen
- Mounting Step
- X-Ray Film Viewers
- Kick Bucket

stability  
guaranteed



comfort  
and care  
all in one place



We are one of the top choice of customer for fabrication of Hospital Furniture as we have good infrastructure for bulk orders.



# INSTRUMENTS MANUFACTURING



## forging

The instruments are made through Drop Forging Hammers using Dyes made of the best quality D-2 Steel. The forgings later are put through the process of overall / ring trimming, and acid cleaning / pickling.

## annealing

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 is a process which makes Stainless Steel soft for machining. Forged surgical instruments are annealed in vaccum 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 supple 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 filling.

## 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.

## 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.

## hardness

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

## filling

Technicians take the adjoining pieces of instruments and set them together. At this stage, the final shape of the instrument emerges 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.

## electro polishing

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

Electro Polishing is a process of anodically smothering the surface of instruments that gives a shiny look which also removes burs from instruments.

## sand blasting

Instruments are then transferred to sand blasting unit where the joint, teeth and ratchet of instruments are 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.

## finishing

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

## 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, and moving functions.

# CRAFTS- MANSHIP



# SUSTAINABLE PRODUCTION

Prowa Medical Instruments manufacture products with awareness and importance of natural resources. It is a key concern at the company not to waste natural resources during production at any stage. To attain sustainability, the company tries to minimize all kinds of wastages.

We are determined to environmental protection and sustainable resource management implementing their corporate social responsibility so the resources are not diminished at the expense of future generations.

We give the highest priority and commitment to better sustainable practices that will lead to a greener and healthier planet.

## Reuse Reduce Recycle

We have been successful in reducing carbon and water footprint, decrease our energy consumption, and lower our wastage.

# THINK GREEN ACT GREEN

environmental management system  
**ISO 14001  
certified**

Our HSE department initiate health and safety solutions that are tailored to working conditions and based on participation.

We are committed to empower women of the society, as we believe it makes a women financially independent, and moreover a competitive member of society.



As a good corporate citizens and most importantly as a matter of social responsibility, we are committed to the ideals of protecting children from the exploitations of child labour.



Over the years we have kept the tradition of showing unconditional love and kindness to our community, and our labour.

health benefits    financial support    waste control    recreational activities

*health. safety. environment.*



MEDICAL  
INSTRUMENTS  
MANUFACTURING  
FACTORY



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