

REXMED INSTRUMENTS MANUFACTURING PROCESS:

Forging:

At **REXMED INSTRUMENTS**, forging is completed keeping in mind the geometry of the process. At this starting point, proper care is taken about your design and made the same as required.

Milling:

Milling the term used in Medical Instruments Industry can be outlined as a process of cutting, shaping and finishing of an instrument. The process includes turning, welding and forging. At **REXMED INSTRUMENTS**, we use the highest standard milling technology, which involves the cutting of pieces of metal to create dovetails, threads, bevels, slots, and ridges.

Grinding: (Filing & Setting)

To give a final shape to the instrument our specialized craftsman use filing and grinding which removes the material from the instrument by abrasion. Then the instrument is intensely observed and then set to perform perfectly.

Heat Treatment:

At this stage, each instrument passed through heat treatment, which determines a considerable extent to the operating characteristics of the instruments. Heat treatment after grinding or sharpening is used to realize stress produced by grinding to prevent the development of grinding cracks and stabilize the structure.

Hardness Test:

For Surgical instruments, the term hardness refers to the resistance to bending, scratching, abrasion or cutting. At **REXMED INSTRUMENTS**, hardness test is applied on all the instruments to measure its resistance to deformation. Keeping the application of instruments in view, this process is highly ranked in the process of our manufacturing.

Etching:

We use permanent and lifetime high quality laser etching, which produces a wide variety of text and graphic images- including our customer's logo, with very detailed and fine quality image.

Ultrasonic Cleaning:

It is recognized risk to surgical instruments of exposure to unidentified microorganisms during the manufacturing process. To minimize the amount and degree of this risk and provide surgical instruments that are clean: safe to handle, safe for patient care are cleaned using the ultrasonic cleaning plants.

Final Finish:

At this stage, the instrument is given final finish, which includes mirror, satin or matt finish. The finish is as per the customers' requirement.

Quality Control:

Our quality-controlled department is highly active and involved in all the stages of the manufacturing process, but before the instrument goes to the packaging department the quality and function is thoroughly checked by our highly qualified staff.

Labelling & Packaging:

Each instrument is initially packed in poly bags and then packed in a primary box. The box is labelled which includes the article number, type size and manufacturing date.