

Dual Spindle Thread Rollers

Thread Rolling parts above and below the shoulder can now be done on a new line of Videx Dual-Spindle thread rollers.

The threads above and below the shoulder can either be different or similar to each other. In any case however, the two rolling heads are independently set and matched, eliminating any influence of one rolling operation on the other, and enabling using simple and more economical thread rolling dies.

The two threads are rolled one after the other. The blanks accumulate in a magazine after the first rolling station and enter the second station already oriented, assuring no mix between blanks and no thread damage.

Advantages of the new Dual Head Thread Rollers:

- The independent adjustment assures a better quality of each rolled operation. It also helps to better control the separate operations and the tooling used.
- The production speed is higher. The second operation does not slow down the machine.
- Less handling, eliminating the possibility of mixing parts, such as heat treated parts with non heat treated parts.
- It allows rolling with inexpensive tooling, while having complete control of the quality of each rolling operation. When a tool has to be replaced, it can be done in minutes.

Both thread rolling stations are equipped with Controlled Thread Rolling Start, Hydraulic Clamping of the Thread Rolling Dies, Zero-Taper Mechanism for parallel threads and Micrometric Thread Pressure Screws. Other standard features include AC Speed Controller, Automatic Air Shut-Off and Dual Operator Control Panel on both sides of the machine for convenient and safe operation and for easy set-up of the feeder.



Explanations of the main features:

- **Closed Frame structure** (the main spindle is pivoted on both sides like a 2-roll machine) allowing to roll parallel threads on long and hi-tensile fasteners without compromising on the thread quality. The Closed frame prevents the "breathing" of the dies and results in double the die life of a standard machine!
- **Hydraulic Clamping** of the thread rolling dies and **Micrometric Screws** for quick-change and precise adjustment of the thread rolling dies on both stations. This feature also allows quick change to a previously made part.
- **Controlled Feed**, equalizing the line speed of the blank to the speed of the rotary die, thus eliminating slippage and resulting in higher quality threads. This feature is extremely important when rolling long parts with short threads that tend to slip.
- **Feed Rails made out of stainless steel** with replaceable hardened liners in the working area. One rail is fixed in place, and the other one is adjusted by hand wheels, with no wrenches. The upper rail swings around a pivot, and is equipped with a spring loaded end, over the wide hold back finger, for precise thread length under the head.
- **Automatic air shut-off** systems turn off the air supply to the feeder during the time it is not working and to the feed rails when the machine is not operating.
- **Fine adjustment Thread Matching device** on each station allows independent and perfect match of the dies with a touch of a finger, without a plastic hammer. Thread Matching takes 3 minutes.
- **AC speed controller** is supplied, enabling to run at the highest possible rate for each part.
- **Hi-Speed Vibratory Feeder** with fine adjustment settings, and a noise absorption layer inside. The feeder base is adjustable by manual levers, without wrenches. To change the thread length, the whole feeder is lifted, from one point, with the feed rails.
- **Computer with a digital screen** for messages, speeds, etc.
- The VA series is designed to work **24 hours a day**. It has no clutches, slides or hydraulics, and requires almost no maintenance.

