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# Videx Thread Rolling Revolution

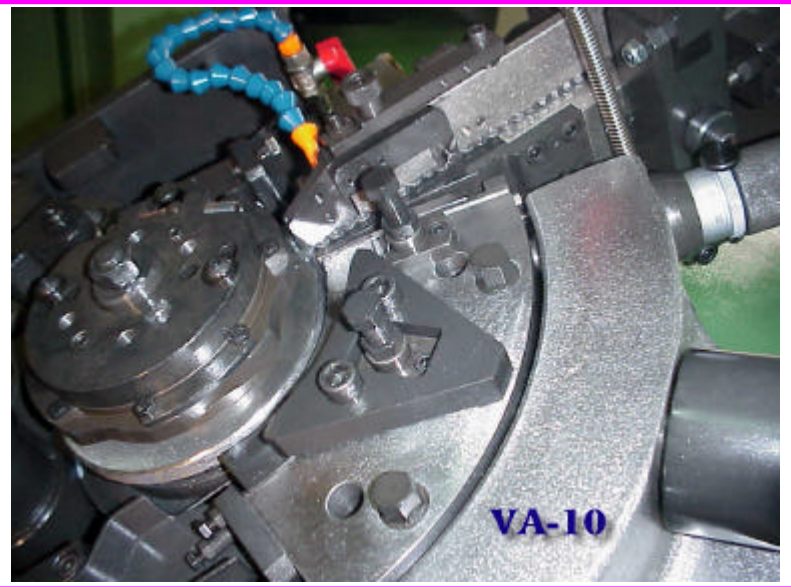
Videx Machine Engineering is proud to present a new concept of Form and Thread Rolling.

The VA Planetary Thread Rollers are offered in Single Spindle models and Dual Spindle models. Both models offer increased production rate at the Highest Quality, ever achieved before on planetary (rotary) machines.

The Feed System, combined with the other features enable rolling a wide range of parts, from standard screws, through flange Bolts and up to a T Bolts, on the same machine.

## Why upgrade to the Videx system?

1. Thread Quality: The "secret" is in the feed system, equalizing the speed of the blank to the speed of the rotary die, preventing any slippage, and resulting in top quality thread. This system has been proven by users around the world.
2. Feed: The feed arm is mounted on a pivot rather than a slide, assuring precise feed through years of operation. The feed is activated by a pneumatic piston. No springs. No slides!
3. Production Rate: The VA line rolls faster than any other machine due to the rigidity and accuracy, that enable rolling multiple parts in between the dies at the same time





4. Hydraulic Clamping: The machines are equipped with hydraulic clamping, for Quick Change from one thread to another. The Micrometric Screws enable a very precise adjustment of the Thread Rolling Pressure.
5. Taper Free: The VA Thread rollers are equipped with a Taper Free mechanism, achieving a precise parallel thread on any size and length of thread. The adjustment is done in seconds, and assures better quality parts, and longer die life than on any other system.
6. User Friendly Feed Rails: The stainless steel rails have replaceable hardened liners in the working area. The gap setting is done by a hand wheel, no wrenches! The upper rail is spring loaded, swinging around a pivot. It has a provision for parts rolled up to the head.
7. Air saving: Two automatic air shut-off systems are supplied: one for the feeder air jets and one for the feed rails vibratory turbine.
8. Process Monitor: The machines are electrically prepared for an optional thread quality Process Monitor (special unit for planetary systems).
9. Machine construction: The Taper Roller main spindle bearings are designed to work "forever". If needed - they can be re-tightened after a few years. The Automotive type transmission gears are submerged in oil, and require no maintenance.
10. Speed control: An AC speed controller enables working at the highest possible rate for each part.



Videx is pleased to introduce the Dual-Spindle VA-20-K Planetary Thread Roller. This machine has two rolling stations, and is capable of performing two independent rolling, knurling or grooving operations on the same part.

The Dual-Spindle machine is used for rolling Wheel Bolts, Allen Screws, etc.

Each one of the two rolling heads is independently set and matched, eliminating any influence of one rolling operation on the other.

One rolling operation follows the other, while the blanks stay oriented in the feed rails.

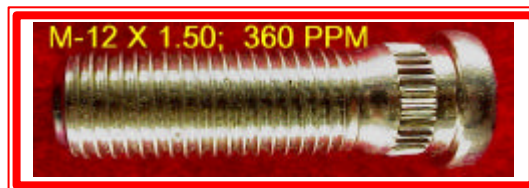
This system assures better quality and consistency of the rolled forms.

### Major advantages of the Dual Spindle Thread Rollers:

1. The Thread / Form quality is better due to separation of operations (no influence of one on the other).
2. The machines save the handling costs and eliminates a risk of mixing parts from different batches, or mixing heat treated parts with non heat treated parts.
3. The rolling tools are simple. The operator has full control of the quality of each rolling operation, and when a tool has to be replaced, it can be done in minutes.

Both rolling stations are equipped with Hydraulic Clamp of the Thread Rolling Dies, Zero-Taper system for parallel threads, and Micrometric Screws.

Other standard features include AC Speed Controller, Automatic Air Shut-Off and dual Operator Console on both sides of the machine. The back panel is also used for setting up the feeder.



**Videx Ltd.**

**Yair Wiesenfeld.**