

Videx Nail Rolling Revolution



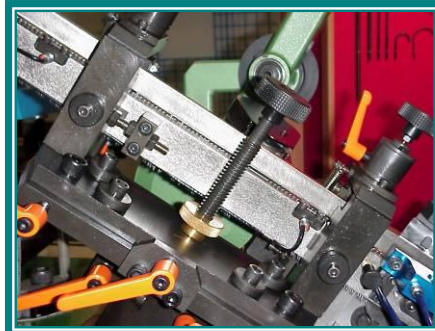
The Videx VN nail rollers combine the highest hourly production rate with excellent quality, never before achieved in one machine.

An Operator Friendly Feed System, combined with a package of Quick-Change features allow a less experienced operator make the most of this machine, even when rolling hard-to-roll nails.

Features of the VN-15 & VN-20:

1. The VN-20 is equipped with a **Nail Feed Control, Doubling the daily output!**

This device arranges the nail heads in the feed ails, assuring that nails will never climb on each other and



assuring that there is always a known number of nails in the feed position. This system boost efficiency levels to 92-96%.

2. The Rotary Nail Rolling Die in the VN-20 is clamped and tightened by an **Expanding Mandrel**, allowing easily mount and removal of the dies. In the VN-20, there is no need to center the dies and it can accept keyless dies from the old types.

3. **Stainless Steel Feed Rails** with replaceable tips are standard on both models, assuring years of trouble free

operation. The stainless steel feed rails tend to harden the more they work. These rails allow using magnetic nail elevators without risking in nails getting stuck to the rails.



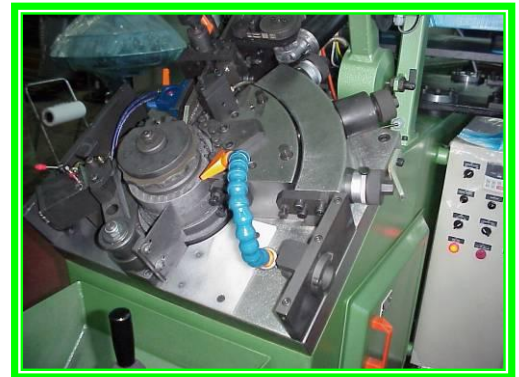
One feed rail is fixed in place, while the other one moves by handles. Both rails are mounted on keyways, allowing precise and parallel movement to and from the nail rolling dies.

The upper stainless steel rail can be adjusted while machine is running. This feature is important, since the dynamic behavior of the nails is different then in steady state, so it is useful to set the rails while machine is working.



4. **Wrench-Free** system on both models, with **Manual Adjustment** of the feed rails without wrenches. The system is safe to use also while machine is running, allowing the

operator to perform a perfect set-up while the system is dynamic, and at ½ the time it would take other machines.



5. **Zero-Taper mechanism** is standard on the VN-20 and optional on the VN-15, for getting Parallel Rolled Nails. The operator can set the dies within seconds, so the rolled form on the nails is perfectly parallel. This system allows better utilization of the nail rolling dies. It eliminates the need to shim the dies, or over-pres the rolling dies on the nails



6. **Automatic Clamping** of the segment holder, with **Micrometric Bolts** is standard on the VN-20 and optional on the VN-15. This system shortens change-over time and makes thread matching and die set-up quick and easy. The micrometric bolts allow recording of the die position for future use of the same dies.

standard on the VN-20 and optional on the VN-15, cutting the air supply from the feeder when the feeder is not turning and from the rails, when the machine is not running, saving over 50% in air supply.

8. The VN-20 is exclusively offered with a **Ring Nail Matching Device**, for matching the impressions from the rotary and stationary dies. This system eliminates shimming the segment die (which is done on other machines), extends the die life of the nail rolling dies, and saves time when changing the nail diameter



9. **Spiral Nail Matching Device** with set screws, for accurate, quick and fine match of the nail rolling dies, instead of hammering the introduction cam.

10. Optional **Feeder Level Control** controlling the amount of nails in the feeder, operating an external conveyor which feels up the feeder when the nail level drops below a minimum level.

11. Both models are equipped with a **Heavy Duty Transmissions**. The VN-20 is equipped with an automotive gear, designed to work “forever”, and is essential for working 24 hours a day.

The VN-15 is equipped with a heavy duty industrial drive, the strongest if its kind.

12. Optional **Vacuum Connection**, for a **clean, safe work environment**, with no metal chips. The rolling operation creates small metal chips, which tend to fly in the air and may risk the operator’s health. The Videx system allows connecting a centralized vacuum system or an independent vacuum cleaner that will vacuum the chips immediately when created, and minimize the health risk.

13. The VN-15 and VN-20 have **No Feed Slides!** The nails are fed by a rotating arm, requiring no maintenance.

14. Both machine are equipped as standard with a 15HP (11Kw) motor and an **AC speed controller**, that allows the operator to run the machines at the highest possible feed rate for any combination of nail diameter and length.

15. Both models use dedicated **High-Speed Nail Feeders, (24” for VN-15 and 30” for VN-20)**.

The VN-20 feeder is **isolated** from the machine, to **prevent vibrations**. It is mounted on a sub-plate, with fine adjustment features, to set its position in relation to the feeder rails.

16. The VN-15 and VN-20 are equipped with an internal **Oil Coolant system**, with a powerful oil radiator and a fan, circulating oil through the main head and the bearings, allowing rolling the nails dry, without coolant, 24 hours a day.

17. Optional CE **Safety Package**, including a Work Area Cover.

18. The VN-20 is equipped with **Rear Operator Panel**, allowing machine control from both sides. This is especially important when setting up the feeder.

19. A Powerful **Turbine Rail Vibrator** is helping achieving the best feed rates. The Turbine is exclusively made for Videx. It is quiet and energy saving.

20. **Videx After-Service** is probably the best available.

We answer faxes in 24 hours and send spare parts, if needed within 48 hours.

