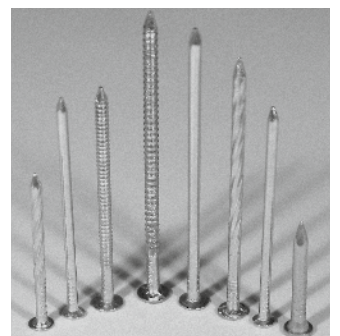


Hilgeland
Kieserling
EWMenn
Nutap

High-Speed Wire Nail Machines
with High Efficiency Factor
for the Production of Precision Nails



N-Series

N-Series

▼ Horizontal / vertical straightener (opt.)

▼ Crank feed



Design Features

Machine Structure

- Output is doubled when working with two wires (option)
- Tight length tolerances due to precise crank feed
- Stable shaft bearing
- Powerful hammer slide for the production of precise nail heads
- Controlled cutting unit for an exact cut-off
- Robust machine structure

Tools

- Fewer tools required
- High quality of tools
- Mounting fixtures for tungsten carbide tools

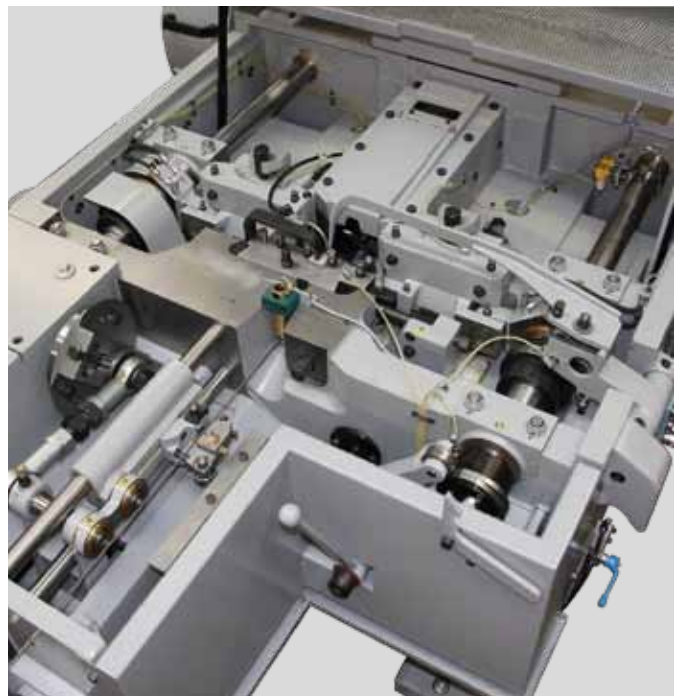
Efficiency

- Smooth running, low wear
- Low power installed
- Automatic central oil lubrication
- Low noise emission due to cabin (option)

Our Accomplishments for your Benefit

- High product quality
- Large variety of products
- Reliable production of custom products
- Economical production of wire nails
- Reduced service costs
- Low maintenance costs

▼ Tool room



Performance, Diversity and Efficiency – WAFIOS High-Speed Wire Nail Machines

Reliable Technology for an Economical Production of the Most Different Types of Wire Nails

The high-speed wire nail machines N 11 – N 61 are based on the structure and simple operation of the worldwide proven N machines. The machines are as versatile as ever. Depending on the machine size, not only ordinary wire nails but also special nails can be produced (option) ...

- Double-head nails
- Hook nails
- Blind rivets
- Contact pins
- Roofing nails
- D-head nails
- T nails
- Nails with a rectangular cut-off
- Staples and
- Steel nails made of wire with a tensile strength of more than 800 N/mm²

The output of the N machines is doubled when working with two wires. The nails produced from two wires do also meet highest quality requirements. Working with two wires is restricted to the production of standard nails.

Quality

For over a 100 years, the name WAFIOS has represented the highest level of quality expectations, safety standards and German technical innovation related to the engineering of manufacturing systems.

Reliability

Strict quality controls, state-of-the-art production systems and many years of experience guarantee that your investment is in safe hands. Our global service network ensures high availability of WAFIOS Umformtechnik machinery.

Efficiency

High production output and a long service life will save money and shorten the amortization time of your investment.

▼ Processing of twisted wire



▼ Double head unit



▲ Production of blind rivets



▲ Jaw box (exchangeable)

▼ Maintenance unit and automatic central oil lubrication



Technical Data										
Model	Wire Ø		Nail lengths		Output Nails/min.		Power-rating KW	Weight		Space Requirement ca. cm
	One wire mm	Two wires mm	One wire mm	Two wires mm	One wire	Two wires		Net ca. kg	Gross ca. kg	
N 11	0.7 – 1.4	—	6.5 – 28	—	900	—	2	1,000	1,150	1,260 x 850
N 21	0.8 – 1.8	0.8 – 1.3	6.5 – 40	6.5 – 35	800	1,600	2	1,000	1,150	1,260 x 850
N 31	1.0 – 2.4	1.0 – 1.7	10 – 55	10 – 50	700	1,400	3	1,400	1,550	1,430 x 940
N 41	1.8 – 3.4	1.8 – 2.5	13 – 80	13 – 70	550	1,100	4	2,400	2,600	1,860 x 1,150
N 51	2.2 – 4.2	2.2 – 3.1	13 – 105	13 – 95	430	860	7.5	4,200	4,400	2,240 x 1,520
N 61	3.1 – 5.2	3.1 – 3.8	13 – 150	13 – 135	370	740	7.5	5,700	6,000	2,580 x 1,780



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Precision Parts
Forming Machinery

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The specifications are not binding as these could vary on account of technical development
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