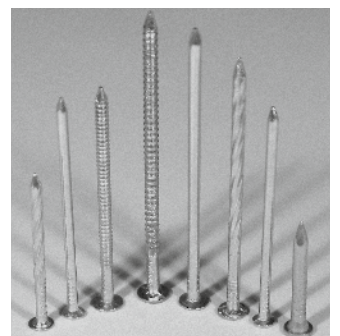


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## High-Performance Wire Nail Machine for the Economical Production of Precise Custom and Standard Nails



N 90

# N 90

▼ Pressing station with highly dynamic short stroke for the mass production of precise wire nails

▼ Various in-line possibilities e.g. with thread roller for the production of pallet nails (spiral / ring groove profile)



## Design Features

### Machine efficiency

- 800 Pins per minute
- Continuously high output rate regardless of product specifications
- Permanent quality controls throughout the entire production process

### Machine Structure

- Highly precise chisel infeed for tightest length tolerances
- Pinching off the wire blank by means of the splitting tools to produce the nail point and simultaneous cutting waste extraction
- Cross transport system for exact positioning of blanks
- Short-stroke pressing station for preliminary upsetting of the centric nail head

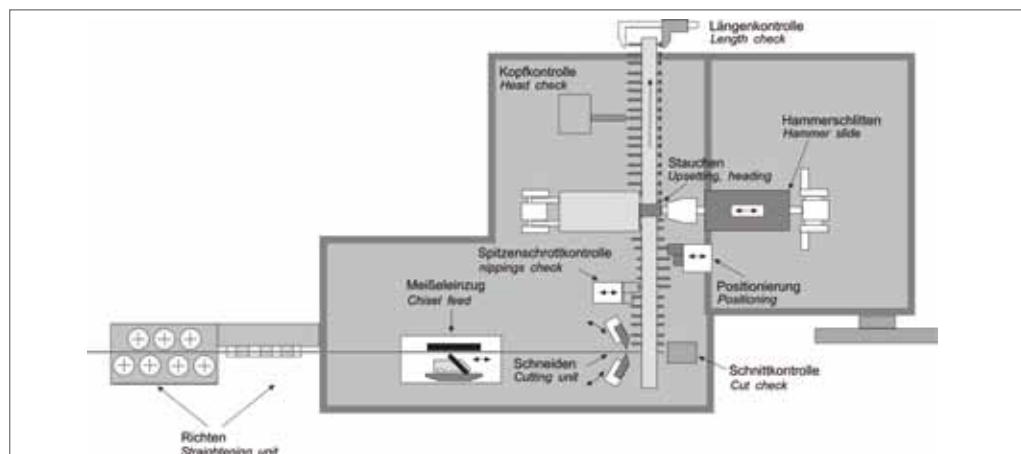
- Length measuring device with exact centering of wire nails
- Clock-pulse controlled ejection from 800 mm height, suitable for the use of large nail containers

### Direct In-Line Options

- Thread-rolling machine
- Traying machines
- Packing machines
- No conveyor belts, containers, hoppers and bowls are required

### Tools

- Quick tool change equipment
- Use of tungsten carbide tools that do not require rework
- Low tool costs
- Standard tools that are available from many tool suppliers



# Quality, Reliability and Efficiency – WAFIOS N 90 High-Performance Wire Nail Machine

## Redefining Productivity

Precise wire nails that are ready to install, free from oil and cutting waste, can be produced without any additional efforts.

Noise emission values under 80 dB(A) are reached due to the use of closed sound protection hoods.

Due to the mechanical control of the entire machine cycle, the N 90 features a long life time and high reliability which protects your investment.

Economic production due to unmanned operation, closed lubrication circuits and driven wire pay-off for large coil weights.

## Quality

For more than 100 years the name WAFIOS has stood for the highest in terms of quality expectations, safety standards and technical innovation in German manufacturing systems engineering.

## 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.



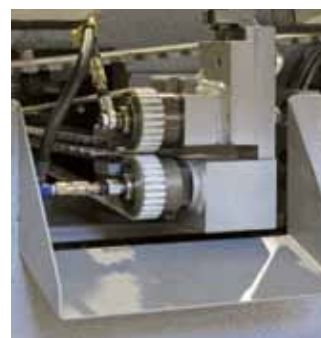
▲ Precise wire feed with mechanically controlled chisel



▲ Pinching off the nail point and extraction of cutting waste



▲ Holding the wire nail blanks with clamping jaws and upsetting the nail head

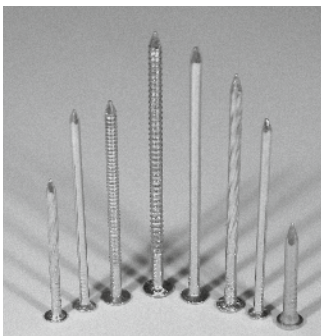
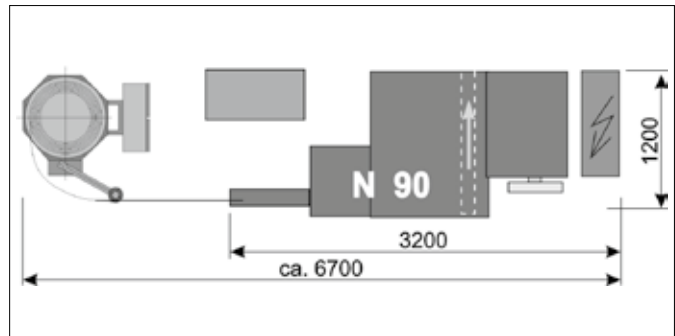


▲ Clock-pulse controlled and position-oriented ejection from 800 mm height

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Technical Data	N 90	N 90 1K
Wire diameter	2.0 – 4.0 mm	2.0 – 4.0 mm
Wire strength		
Nail lengths*	37 – 100 mm	37 – 100 mm
Belt width	16/25 mm	16/25 mm
Machine weight approx.	2,800 kg	2,800 kg
Output	800 pieces / min	max. 1000 pieces / min up to pin length 85 mm max. 800 pieces / min from pin length 85 mm

\*possible nail length depends on machine design



**WAFIOS**  
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Forming Machinery

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