

ENKOnail+ Series Nail Machines

ENKOTEC machines are different from conventional nail machines, as they are based on a unique rotary forming principle. ENKOTEC rotary nail machines offer you many advantages, all ensuring a cost-effective production process and a highly competitive end result. Featuring the ENKOsmart software platform, the ENKOnail+ is brought to the next level of high-performance machinery by utilizing innovative sensor technology and enabling data-driven easy decision-making.

The ENKOnail+ series nail manufacturing machines include a modernized tooling system and feature a PLC control system with an intuitive touch screen for data display, machine adjustments and troubleshooting. The payoff controls are integrated in the nail machine.

The production speed is extremely high for all nail diameters due to the rotary process, which, combined with ENKOsmart, provides the tools to maximize production efficiency.



You will get:

- High capacity
- Low production costs
- Sensor based nail quality control
- Process stability
- High utilization rate
- Long tooling life
- Automated manufacturing
- Clean, low-noise production
- Performance overview
- Interactive digital manual
- Intuitive interface

ENKOnail+ NX03 Machine Types

	NS03	NP03	NH03	NR03	NK03	NI03	NJ03	NQ03(-D)	NU03	NT03-D	NM03	NL03
Capacity (nails per minute)	2,000	2,500	2,000	2,000	1,800	1,500	1,250	1,650	1,500	1,650	1,250	900
Nail Length a) c)	25-45 mm 1"-1¾"	30-55 mm f) 1¼"-2 1/8"	32-63 mm d) 1¼"-2½"	38-63 mm d) 1½"-2½"	38-88 mm e) 1½"-3½"	38-88 mm e) 1½"-3½"	38-63 mm 1½"-2½"	38-88 mm e) 1½"-3½"	40-90 mm 1 5/8"-3½"	50-90 mm 2"-3½"	60-101,6 mm 2¾"-4"	75-130 mm 3"-5 1/8"
Shank Diameter (Wire Ø)	1.8-2.3 mm .071"-.091"	1.8-2.3 mm .071"-.091"	1.8-2.5 mm .071"-.100"	2.2-2.9 mm .087"-.114"	2.2-2.9 mm .087"-.114"	2.4-3.84 mm .094"-.151"	2.4-4.0 mm .094"-.160"	2.2-3.4 mm b) .087"-.134"	2.4-3.84 mm .094"-.151"	2.4-3.2 mm .094"-.126"	2.8-4.2 mm .110"-.165"	2.8-4.2 mm .110"-.165"
Compressed Air 6 Bar/87 psi	500 l/min./132.1 gpm /30 m³/h		250l/min./92.4 gpm/21 m³/h	200 l/min. / 52.8 gpm / 12.0 m³/h						350 l/min./92.4 gpm/15 m³/h		
Motor Size	7,5 kW											
Tensile Strength (Recommended)	Wire Ø < 2.5 mm / .100": 800-900 N/mm² or 116,000-130,000 psi Wire Ø > 2.5 mm / .100": 750-850 N/mm² or 109,000-123,000 psi											
Weight	2,320 kg											
Dimensions (L X W X H)	2,500 x 1150 x 1,700 mm											
Upset Ratio (L/d)	Max 2.5											

a) Max. nail lengths depending on nail specs.

b) Min. & max. nail diameter depending on nail specs.

c) Nail sensor is applicable for nail lengths > than 42 mm

d) Nail lengths 65 mm under special conditions

e) Nail lengths 90 mm under special conditions

f) Nail lengths 57 mm under special conditions

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Sales/CPM 24.03