

ENKOClean Nail Cleaning System

The ENKOTEC nail cleaning system, type KSN01, has been designed for cleaning nails in an inline nail manufacturing production, or as a standalone unit, through a drum spiral, with a production speed of up to 2,000 nails per minute. The capacity is depending on the nail size. The system washes by high pressure, cascading the nails in a cleaning and corrosion-preventing chemical solution at 60°C. A rinsing zone with clean water of 60°C and, as the last step of process, a drying zone with 120°C hot air at high pressure.

A closed and insulated construction of the machine reduces the noise and heat level to minimum. Service-friendly design. Construction allowing quick access to all the vital machine parts.



The ENKOClean system includes:

- Max. capacity up to 550 kg / hour, depending on product and machine size.
- Perforated drum for cleaning, rinsing and drying.
- Standard ANSI 304 stainless steel drum with Ø2-10 mm perforation.
- First section: Recycling cleaning section - temperature 30-60°C.
- Second section: Recycling rinsing section - temperature 30-60°C.
- Third section: Drying zone with hot air - temperature 40-110°C.
- Suction fan Ø160 mm, 2800 rpm.
- SIEMENS S7 PLC with KTP700 Colour control panel.



ENKOclean Specifications

	Type KSN01 3500S	Type KSN01 5000S	Type KSN01 3500L Paper tape
Wire Diameter <i>(Intervals)</i>	Ø2.0 – 4.2 mm	Ø2.0 – 4.2 mm	Ø2.0 – 4.2 mm
Nail Length	25 – 90 mm	25 – 130 mm	25 – 105 mm
Capacity up to	350 kg/hour	550 kg/hour	550 kg/hour
Dimensions <i>(L x W x H)</i>	2680 x 970 x 1450 mm	3336 x 1250 x 1630 mm	3800 x 970 x 1450 mm
Power consumption maximum	39 kW	55 kW	39 kW
Power consumption operating	18 kW	25 kW	25 kW