



ENKOrroll Thread Rolling Machine

The ENKOTEC thread rolling machine, type TR01, has been specially designed for making screw shank or annular profiles on nails. Production speeds up to 3000 nails per minute is achievable thanks to the unique feeding system. The capacity is depending on the type of nail and profile chosen and on the feeding rate from the vibratory bowl, which will be supplied together with the machine. The ENKOrroll machine comes equipped with a connection to exhaust ventilation and cooling system.



ENKOTEC Advantages:

- High production speed
- High-quality profiling of nails
- Cost-effective production
- Reliable and stable production
- Fast tooling changeovers
- Clean work environment
- Low noise level
- Interface for easy adjustments
- Remote Access to HMI for support
- Digital manual on the HMI

ENKOrroll Specifications			
	TR01-ST	TR01-SH Ring shank	TR01-SH Screw shank
Wire diameter	Ø 2,30mm – Ø 4,50mm 0.090" - 0.177 <i>4 feeding screws for different nail diameter intervals</i>	Ø2,10mm – Ø2,35mm ^{a)} 0.083" – 0.093" Ø2,30mm – Ø3,05mm ^{b)} 0.091" – 0.120" <i>2 feeding screws for different nail diameter intervals</i>	Contact ENKOTEC for details
Nail length	<i>Ring shank / Screw shank</i> 38–105 mm 45–105 mm 1.5" – 4.1" 1.77" – 4.1"	27–57 mm ^{a)} 29-57 mm ^{b)} 1,07"–2.25 1,14"-2.25"	
Profile height (max-min)	33 - 76 mm 1.3"-3.0"	22–52mm ^{a)} 24–52 mm ^{b)} 0.87"–2.05" 0,95"-2.05"	
Capacity*)	RS**) - Up to 3000 npm SS**) - Up to 2500 npm	Up to 2500 npm*)	
Tooling type	Type 75, Ring 7" 5.5" -3", Shoe Type 75-3		
Dimensions	1950mm x 1120mm x 1840mm 77.0" x 44.0" 72.5"		
Main motor	18kW, 900Nm		
Compressed air	Approx. 215 l/min. / 13 m ³ /h / 5,5 bar / 87 psi		
Machine weight	1840 kg / 4057 pound		

*) Depending on nail size, head type and nail feeder capacity. **) RS/Ring shank & SS/Screw Shank

Note: For optimal performance Enkotec tool specification is recommended

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