

WNS SPIRAL TUBEFORMER (STF1600)



- 80mm – 1600mm Tube Diameter Range
- 80mm – 400mm Tube Diameter: Maximum Thickness 0.4mm – 0.5mm
- 400mm – 500mm Tube Diameter: Maximum Thickness 0.6mm – 0.7mm
- 500mm – 1000mm Tube Diameter: Maximum Thickness 0.8mm-1.0mm
 - 1000mm – 1600mm Tube Diameter: Maximum Thickness 1.0mm
 - 0.4mm – 1.3mm Capacity Galvanized Steel
 - 0.4mm – 1.0mm Capacity Standard 137mm Strip Width
 - 1.1mm – 1.3mm Capacity Standard 140mm Strip Width
 - Outside Lock Seam
 - Slitting Cutter System
 - c/w Dual Sided/Reversible Decoiler
 - c/w Run-out Table & Eject Bed
- 430mm Minimum Inside Diameter Of Steel Coil
- 530mm Maximum Inside Diameter Of Steel Coil
 - 1 Tonne Maximum Weight Of Steel Coil
 - 60 m/min Maximum Working Speed
 - 0.8MPA Air Consumption
- 415v, 3 Phase Electrics, 50Hz, 12kw, 30 Amps Per Phase

All capacities are based on the use of quality mild steel unless otherwise stated. All specifications, dimensions and weights are approximate and are to be used as a guide. Colours may vary. Please note photographs/drawings are not to scale. W. Neal Services Ltd reserves the right to alter any specifications. For warranty terms please see our full [Terms & Conditions](#). E&OE. (SEPT-26)

**BIG RED MACHINES**

(+44) 01702 542 554 | (+44) 01702 542 558 | sales@wnealservices.com | www.wnealservices.com

Manufacturers & Suppliers of Rollformers & Sheet Metal Working Machinery

WNS SPIRAL TUBEFORMER (STF1600) is a high-performance spiral duct forming machine designed for precision and efficiency in HVAC and sheet metal applications. The modular design of the system offers customers the flexibility to configure the machine according to their specific requirements by selecting from a range of available options. The frequency-controlled main drive enables smooth acceleration and nearly silent operation.

A key feature is the flying slit, which precisely cuts tubes to length without generating noise or hot sparks typically associated with conventional saws. This process results in clean tube ends, eliminating the need for deburring.

Engineered to meet the demands of HVAC applications, the system is compatible with mild steel, galvanized steel, stainless steel, and aluminium. Additionally, the integrated corrugation unit enhances tube rigidity, particularly for larger diameters, while reducing material costs.

This spiral tubeformer comes complete with a run-out table, eject bed and a dual sided/reversible decoiler which can be loaded from either side.

Forming Head Ranges Available:

80mm-200mm
201mm-400mm
401mm-600mm
601mm-800mm
801mm-1000mm
1001mm-1250mm
1251mm-1600mm

SPECIFICATIONS

Model:	Tube Diameter x Maximum Thickness:				
STF1600	80mm – 400mm Tube x 0.4mm – 0.5mm Capacity	400mm – 500mm Tube x 0.6mm – 0.7mm Capacity	500mm – 1000mm Tube x 0.8mm-1.0mm Capacity	1000mm – 1600mm Tube x 1.0mm Capacity	
Material Capacities:			Width Of Strip - Standard 137mm:	Width Of Strip - Standard 140mm:	Cutting System:
0.4mm – 1.3mm Galvanized Steel	0.4mm – 0.8mm Stainless Steel	0.4mm – 1.3mm Aluminium	0.4mm – 1.0mm Capacity	1.1mm – 1.3mm Capacity	Slitter Cutter
Steel Coil Diameters:		Steel Coil – Maximum Weight:	Maximum Working Speed:	Air Consumption:	Supply Voltage:
430mm Minimum Inside Diameter 530mm Maximum Inside Diameter		1 Tonne	60m/min	0.8MPA	415v, 3 Phase Electrics, 50Hz, 12kw, 32 Amps Per Phase
Dimensions – Machine (apx):	Dimensions – Decoiler (apx):	Dimensions – Run-out Table (apx):		Weight of main machine body – net (apx):	
1900mm x 2050mm x 1500mm (l x w x h)	1780mm x 1130mm x 1250mm (l x w x h)	2700mm x 950mm x 1200mm (l x w x h)		2900Kg	

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W. NEAL SERVICES LTD. 27-29 Purdeys Way, Purdeys Industrial Estate, Rochford, Essex, SS4 1ND. UNITED KINGDOM