

SideWinder

Spiral Duct Machine

The *SideWinder* is everything you need in a spiral pipe machine; from high-quality workmanship, to heavy duty construction! With its low maintenance, portability, simple operation, unique design, user friendly controls, lubrication, and variable speed control, producing quality spiral duct has never been made easier! The *SideWinder* Spiral Pipe Machine also reduces scrap significantly, **saving you money**, as material forms on the outside of the Helix head; and with its micro drop lubrication system, exterior of pipe remains oil free and ready for paint! The Spiral Pipe Machine also eliminates seam slippage with its patented *Dimple-Lock* seaming rolls. The *SideWinder* manufactures galvanized, satin coat (paint grip), aluminum, polyvinyl coated, stainless steel and pre-painted metal; with spiral duct production from 3" to 48" and 28 gauge to 20 gauge mild steel. The *SideWinder* also features ball casters for easy movement, minimal shop air requirement, lightweight Helix heads designed for quick and easy size changes, and a run-out table for 10' sections of spiral with non-contact photo eye sensor length control.

ADDITIONAL FEATURES:

- 24 gauge stainless steel
- Maximum speed 180 lineal feet per minute
- Coil I.D. 20", O.D. 46"
- Coil strip width 2.95 for 3" to 7"
- Coil strip width 5.875 for 8" to 48"
- Main drive motor 10 H.P. 220 volt 3 phase
- Cut-off motor 5 H.P. 220 volt 3 phase
- Dimensions 78" X 96" (less run-out table)



Things you can do on a SideWinder...

Smooth wall, Single Bead, Double Bead, Diamond Plate, Nubbins and Perforating!

Give your spiral pipe some sizzle!

NAMCOR

SideWinder
www.namcor.us/sidewinder

The SideWinder makes a great addition to any HVAC shop!

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SEAMING ROLLS:

- Seaming Rolls provide the groove, which the 4 plies of metal are forced into to create the spiral seam.
- The Patented Seaming Rolls also lock the 4 plies together by way of a dimple on the edges at 180 degree points and on opposite edges. This keeps metal from sliding within the formed seam when the spiral is severed or when holes are cut into the spiral for diffusion.
- Welding is not required to keep seam from pulling apart when ovalizing spiral with our patented seam.

SINGLE UNCOILER / SINGLE ROLL OUT:

- Uncoiler is a part of the main structure of the Spiral Duct Machine.
- Optional Uncoilers are available to add onto the machine.
- Preparation for adding the second Uncoiler is built into the machine for simple installation, now or later.
- Single Roll-Out Table for producing 10 foot length is standard.
- Extra Roll-Out Table for longer lengths is available.

PHOTO EYE LENGTH CONTROL:

- Non-Contact Photo Eyes are set to desired length of spiral.
- The first Eye ramps the speed down to the second Eye, which stops the system at the measured length.

MICRO DROP LUBRICATION:

- This is the BIGGEST difference with the *SideWinder* ! Exterior lubrication is non-existent!
- Very little lubrication is used to process the metal over the Helix Mandrel.
- Since the Spiral is produced on the outside of the Mandrel, there is no need for lubrication on the outside of the duct. This keeps the exterior of the Spiral dry so draining or washing of the duct is not required.
- Producing Paint Grip or Spiral which requires painting, no extra clean up is needed.

FINISHED PRODUCT:

The *SideWinder* produces a stronger, superior spiral duct product over those produced on other machines! With its patented *Dimple Lock*, which is standard on all machines, has the strength and stability no other spiral seam can match!

The *SideWinder* has the ability to produce spiral duct designs that no other machine is capable of! With impressions such as Diamond Plate and Nubbins, you can have spiral duct that does not require paint to give it a designer look...but paint it, and it looks even better!

Producing specialty metals is a HUGE advantage when manufactured on the SideWinder!

Stainless, Aluminum, Copper, Brass, etc., can all be produced in light gauges and with impressions or reinforcement beads without scratching the exterior of the spiral. Copper and brass can be produced in metal thickness as thin as .021" (26ga). This **saves huge amounts of money**, as other machines require much thicker specialty metal to produce the same spiral.

Aluminum spiral can be produced using .032" material. We recommend 5052 grade aluminum for manufacturing spiral. The 5052 aluminum is marine-grade and has better roll forming characteristics.

Stainless Steel spiral manufactured on a *SideWinder* is scratch-free! While it does not produce heavy gauge stainless, it does produce a great looking product in the light gauges. Spiral Impression Designs are only made on a *SideWinder*, which is unique in the HVAC industry. Diamond Plate Impression gives an industrial flavor to the duct system and Nubbins adds a classier look for applications where Diamond Plate would look out of place. Impression Rolls are available in wide width rollers for manufacturing fittings and sheets. This option is available from 24" to 60" as a standalone machine.

SideWinder Spiral Duct Machines are well suited for shops that are looking to start producing spiral for themselves, or as a fabricator for reselling to HVAC contractors and distributors.

SideWinder is also a great fit for contractors and fabricators who currently produce spiral duct in their business. The unique features of the *SideWinder* offers existing producers the opportunity to offer new designs, broader range of metals and highly stabilized spiral for stretching into oval. Impression Designs can be used for the production of oval spiral without flattening out the design impression. Combined with our optional standalone Impression Rolls, everything in a duct system can be made uniform, from rectangular, to round, to oval. Custom impression designs can also be produced for manufacturers to add their own flair to a project (some limitations).

The *SideWinder* is not your standard Spiral Duct Machine in the HVAC industry!

Discover how the *SideWinder* can give your business the ability to go from producing standard components in a round duct system, to providing fabricators and contractors NEW and INNOVATIVE products to offer their customers.

*Let the SideWinder
Spiral your business upward!*

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