

SPIROR HP

**Automatic Rotating Ring
Wrapping Machines**



ROBOPAC 

overview

Spiror

The Spiror series of automatic high-speed horizontal wrapping machines are designed for low- to mid-volume production. The units are ideal for bundling long, narrow products like wood molding, aluminum and plastic extrusion as well as tubing, textiles and carpet.

Safe, simple operation includes automatic film clamping and cutting. All Spirors feature constant film tensioning to improve package integrity and reduce film breaks.

Each Spiror is equipped with safety options that adhere to rigorous CE safety standards.

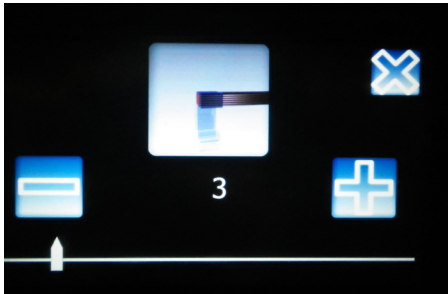
Units are available with a variety of product stabilization and sealing devices. This versatility allows our Spiror machines to quickly and easily adapt to different product types, shapes and sizes and makes them the ideal solution for almost any application. Units can be incorporated in-line or for standalone use.

Robopac leads the industry with innovative products and solutions. The new Spiror machines prove that we are committed to providing you with the best machines combined with the latest technology. Our engineers wouldn't allow us to do it any other way.

touch screen

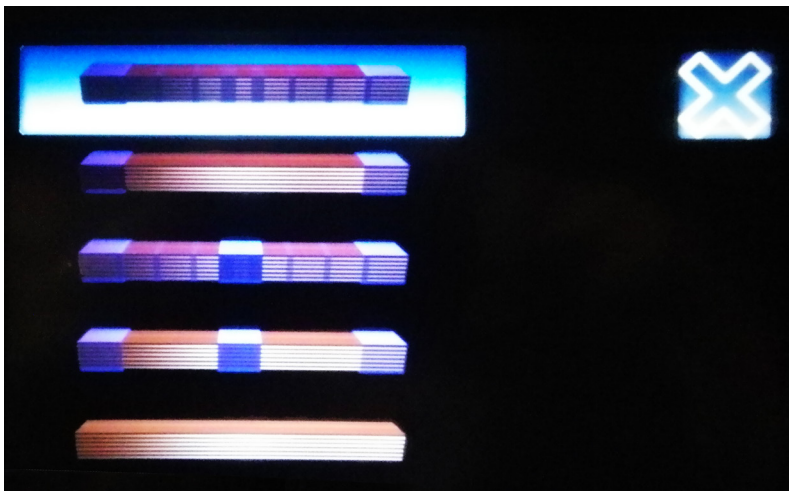
Touch screen control panel is simple to operate and provides a variety of information including easy to understand alarm messages.

20 custom wrapping programs allow you to specify ring speed, conveyor speed, number of wraps (1-9) head and tail wrap positions and distance between bands.



Software allows you to quickly and easily adjust ring rotation or throughput speed.

Increase or decrease number or wraps via touchscreen.



Wrapping patterns displayed in easily identifiable graphics.

A screenshot of the touch screen control panel showing a list of 20 programs. The screen has a dark background with a blue header bar. The header bar contains a blue square icon, the text '6 ROBOPAC 06', a left arrow icon, and a home icon. Below the header is a table with 20 rows and 3 columns. The first column contains numbers 11 through 15, the second column contains 'ROBOPAC' followed by the number, and the third column contains the number. The rows are: 11 ROBOPAC 11 ROBOPAC 16 16; 12 ROBOPAC 12 ROBOPAC 17 17; 13 ROBOPAC 13 ROBOPAC 18 18; 14 ROBOPAC 14 ROBOPAC 19 19; 15 ROBOPAC 15 ROBOPAC 20 20.

Up to 20 programs can be recorded to memory.

Total Wrap

Product is completely wrapped with additional head and tail rotations.

Head - Tail Wrap

Only head and tail of the product are wrapped.

Band Wrap

Product is wrapped with a series of bands at fixed distances.

By-Pass Cycle

Product crosses the machine without being wrapped.

Banding Cycle

Product is wrapped completely and has reinforcement bands with adjustable spacing between bands.

safety features



Control cabine locks to keep unauthorized personnel out.

The machine is equipped with safety features to protect your operator:

A) Machine cover shut-off; the machine will automatically shut off if the safety guard is opened.

B) Fixed safety guards; prevent access to moving parts.

C) Main switch; cuts off the power supply to the machine and can be locked to prevent use by unauthorized personnel.

D) Emergency pushbutton; the machine stops in

phase immediately when the button is pushed.

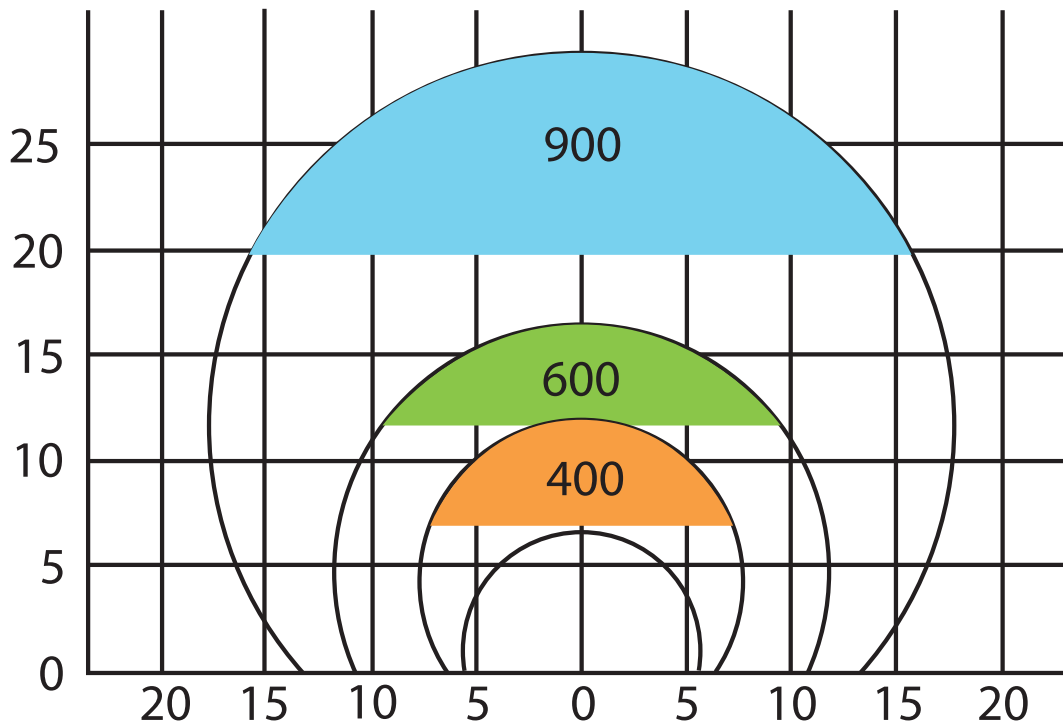
E) Pneumatic valve; allows the pneumatic supply to the machine to be cut off by discharging residual energy and can be locked.



Safety guards prevent access to machine while machine is operating.

wrapping dimensions

Workable Wrapping Area



Minimum Workable Dimensions

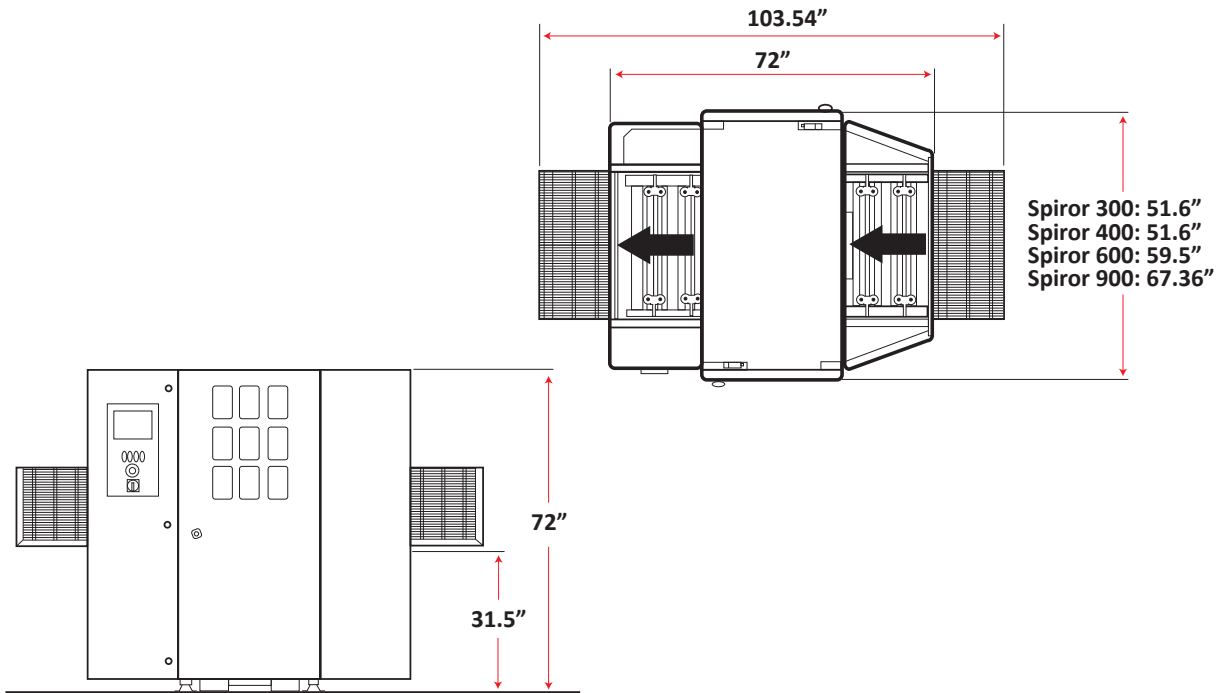
Spiror 300: 0.78"x.078"
 Spiror 400: 2"x2"
 Spiror 600: 2.75"x2.75"
 Spiror 900: 3.5"x3.5"

Dimensions refer to infeed with conveyor belts on rollers. For other types of conveyors, maximum workable dimensions will be provided by Robopac.

Maximum product width and height dimensions directly affect each other. As the maximum product width increases the maximum product height decreases; as well, when the maximum product width decreases the maximum product height increases as the charts above show. Adjusting the conveyor height also affects the maximum height and width of the product. Spiror machines allow you to adjust the height of the conveyor.

specifications

Technical Features				
Machine	Spiror 300	Spiror 400	Spiror 600	Spiror 900
Ring Diameter (inches)	11.8"	15.75"	23.6"	35.4"
Belt Driven Rotation	●	●	●	●
Max. Rotation Speed (RPM)	260	200	180	130
Wrapping Cycle	Continuous or Banding	Continuous or Banding	Continuous or Banding	Continuous or Banding
Automatic Top Pressure Unit Infeed and Outfeed	Optional	Optional	Optional	Optional
Pneumatic Cold Cutting and Clamping Unit	●	●	●	●
Friction Roll	●	●	●	●
Constant Film Tensioning	●	●	●	●
Power Supply Voltage	480 V 3 phase	480 V 3 phase	480 V 3 phase	480 V 3 phase
Installed Power	3 HP	3 HP	3 HP	3 HP
Working Pressure: 90 PSI	●	●	●	●
Film Width (in.)	10"	10"	10"	10"
Maximum Ext. Dia. (in.)	8"	8"	8"	10"
Core Diameter (in)	3"	3"	3"	3"



Dimensions				
	Spiror 300	Spiror 400	Spiror 600	Spiror 900
Length	103.54"	103.54"	103.54"	103.54"
Width	51.6"	51.6"	59.5"	67.36"
Height	72"	72"	72"	72"
Conveyor Height	31.5"			
minimum	—	31.5"	31.5"	31.5"
maximum	—	35"	37.4"	43.3"