



# DFW-1000

## DUAL FLUTER WRAPPER

The DFW-1000 dual fluter wrapper provides a minimal profile wrapped balloon for catheter manufacturing. It has a top-loading, pivoting catheter platform to precisely control positioning of the catheter for both fluting and wrapping operation. The DFW-1000 is PLC-controlled with multiple storage programming configurations. It has password lockout protection and a heater burnout detection feature. It precisely controls individual blade temperature, closed and open diameter, and dwell time. Custom-designed and interchangeable fluting and wrapping modules accommodate a wide range of balloon diameters and lengths.



### KEY FEATURES

- Easily programmable using the touchscreen
- PLC-controlled with program storage
- Top-loading, pivoting catheter platform for precise positioning and ease of use
- Interchangeable fluting and wrapping modules
- Accommodates a wide range of balloon diameters and lengths

### HOW IT WORKS

The DFW-1000 is programmed via touchscreen for:

- Blade set point temperature
- Speed of blade travel
- Open and closed cavity diameter
- Dwell time

It is programmable in either Fahrenheit or Celsius and provides a lockout password option. Balloon folding, inflation and vacuum pressure are controlled through regulator gauges accessible on the front panel. The catheter is connected to a luer fitting on the front panel.

The balloon catheter is loaded onto the top-loading catheter platform. The machine cycle is initiated by hitting the activate button and air pressure is applied to the balloon catheter prior to inserting into the cavity formed by the folding blades. The DFW-1000 has heated fluting blades with blade tips that are shaped into a unique, interlocking profile that creates the balloon folds. The fully folded balloon is then heat-set and vacuum pressure is applied to lock the folds in place.

The wrapper utilizes a principle of a variable cavity to tightly and uniformly wrap the balloon flutes around the balloon catheter. The touchscreen provides continuous feedback on fluting and wrapping cycles and a dwell time counter.

TECHNICAL SPECIFICATION	DFW-1000
Balloon Diameter	Up to 16 mm
Balloon Length	Up to 250 mm
Balloon Flutes	3, 4, 5, and 6
Heat Setting Temperature Range	Up to 100°C, 212°F
Dimensions	27" W x 24" D x 12 3/8" H 686 mm x 610 mm x 314 mm
Weight	95 lbs (43 Kg)
Power Requirements	95 to 240 VAC, 50 to 60 Hz, 60 W to 700 W