

# COMPUTERIZED PARISON STRETCHER

## MODEL CPS-1000

Consistent and accurate neck-down tubing for balloon forming

- High throughput with up to 3 tubes per cycle
- Easily programmable using the tilt touchscreen
- PLC-controlled with program storage
- Password lockout
- Uniform stretched tubing with repeatable results
- Three heater jaws available for a wide range of balloon tubing materials and sizes

### Description

The Confluent Medical Technologies CPS-1000 is a system designed to stretch or neck-down tubing parisons in preparation for the balloon forming process. It is easily programmable through the tilt touchscreen and capable of storing multiple program parameters with an operator lock-out option. Parameters include:

- Stretch speed
- Temperature
- Distance
- Timing
- Tension control (relax)

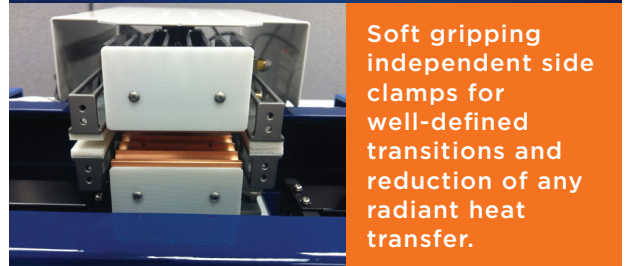
The CPS-1000 can stretch up to three parisons with consistent results for high production yields. The moveable heater jaws maintain tubing integrity. Tubing is easy to load and clamp into place. The CPS-1000 has a pre-necked tubing tray for operator ease of use. The parison stretcher can handle a variety of tubing sizes and materials, including nylon, polyethylene, polyurethane, PET and more.

### How It Works

The operator enters the stretching parameters via the touchscreen to automatically control the sequence, including timing, drawdown speed, distance and temperature, for each stretch cycle. The heater jaws are maintained at a constant temperature to reduce cycle time. The jaws extend during the tube heating process and retract when not in use. The parisons are gripped by air-powered soft clamps located on each side of the heater jaws. These clamps provide a strong grip on the tubing during the heating and stretch cycle to obtain a well-defined transition on the parison. Parisons are formed in one cycle. Once completed, the parisons are easily removed.

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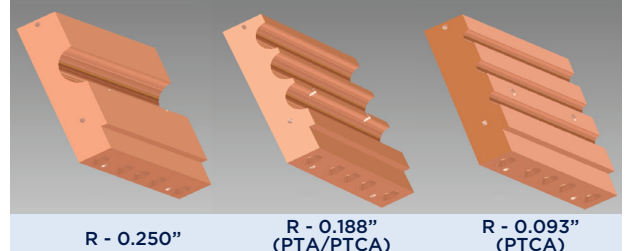
Soft gripping independent side clamps for well-defined transitions and reduction of any radiant heat transfer.

### PARISON FORMING MACHINES

Model	Part Number
70 mm 3-CH, (PTCA) Jaw Radius 0.093"	IA719021-X32
70 mm 3-CH, (PTCA & PTA) Jaw Radius 0.188" (older CJS-3x12 standard jaws)	IA719021-X31
70 mm 1-CH, Jaw Radius 0.250"	IA719021-X11

X=1 for 110 V and 2 for 220 V

### HEATER JAW OPTIONS



R - 0.250"

R - 0.188"  
(PTA/PTCA)

R - 0.093"  
(PTCA)

### SPECIFICATIONS

<b>Dimensions:</b>	60.5" W x 22.0" D x 17.8" H 1,537 mm x 559 mm x 452 mm
<b>Electrical Power:</b>	110 VAC 60 Hz F 6.25A 250 VAC 220-240 VAC 50 Hz F 5A 250 VAC
<b>Maximum Stretch Distance:</b>	350 mm each direction (13.78")
<b>Temperature Range:</b>	Up to 400°F (204°C)
<b>Stretch Speed:</b>	1 to 240 mm/sec
<b>Programmable Storage:</b>	50 recipe storage capacity

