



# CLS2000 Catheter Laminator

## EQUIPMENT OVERVIEW

With the success of its CLS1000 catheter laminator, Innova Design has made tremendous improvements and created the new CLS2000 model. The new model introduces our state-of-the-art slotted hot air heating nozzles. With 4 air-spray-openings the nozzle provides a square uniform hot air curtain. The new model also features a retractable hot air rack. All these make it exceptionally high productivity, easy and safe to use.



CLS2000 Catheter Laminator With 8 Stations, Re-deigned From CLS1000

## PARAMETER

Item	Parameter
Max heater temperature	0-400°C
Max catheter length	>1.8m
Heating rack moving speed	0-50mm/s
Hot air flow rate	20-200SCFH
Max catheter diameter	>5mm
Number of catheter in a single path	4 stations, 8 stations
Holding clamp pressure	0-100 psi

# FEATURES

## 1. Heating Rack

- Special nozzle providing square air curtain for uniform heating
- Open slot hot air heater nozzle with 4 air outlets
- Retractable heating rack for safe and fast loading/unloading
- Independent temperature control for each nozzle

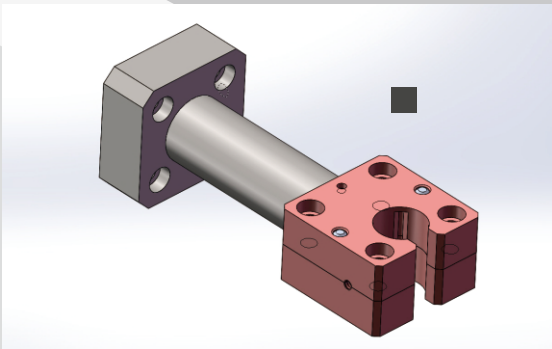


Figure 1 Hot Air Heater Nozzle

## 2. Catheter Holding Rack

- Motorized holding rack height adjustment
- High precision gripper and staggered jaws providing secured catheter clamping
- Clamp adjustable range 0-10mm
- Open slot clamp allow fast loading/unloading

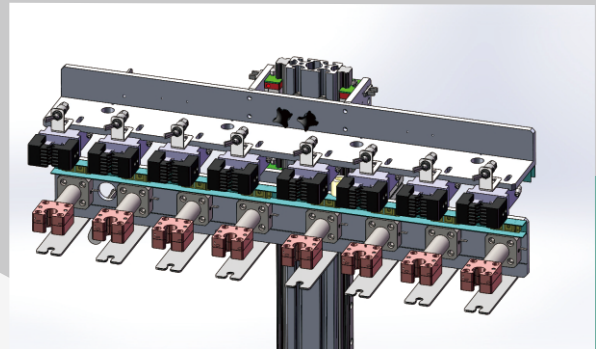


Figure 2 CLS2000 Heating and Holding Rack Units

## 3. Control Module

- 10" Touch screen controller
- Switch between English and Chinese Languages
- Serial multi-step recipe structure
- Program temperature, move speed, move distance in each step of a recipe



Figure 3 User Interface - Main Screen

## 4. Motion Module

- Timing belt driven for quiet operation
- High precision rail to ensure travel stability
- Worm gear motor allows self-position locking
- Use encoder to keep position accuracy
- Moving speed up to 100 mm/s

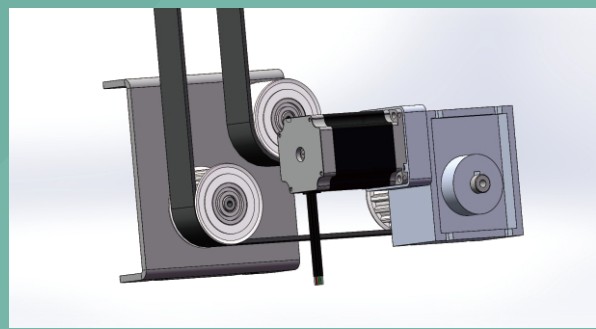


Figure 4 Actuating Motor and Timing Belt Pulley

## 5. Enclosure

- Modular design allows easy transportation and on-site assembly

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