

# ARTEMIS (320)

MADE FOR RESEARCHERS, BY RESEARCHERS  
A CELL AND SMALL ANIMAL CABINET IRRADIATOR THAT MAKES SENSE

## SIMPLIFIED USER WORKFLOW

- Easy-to-use touchscreen interface
- Step-by-step prompted workflow
- Exportable to electronic notebook

## UNIQUE BEAM DELIVERY PROGRAMMING

- Beam-eye-view camera for field planning
- XYZ stage for 3D automatic movement of samples
- Alignment lasers for setup
- Automated filter wheel selection
- Automatic SSD selection based on field size for maximum dose rate
- Manual sample positioning and SSD selection for precise positioning
- Record & verify

## USER CUSTOMIZED CAPABILITY

- Accepts and recognizes user customized beds/filters/collimators
- System recognized interchangeable treatment beds with customizable options

## ADDITIONAL FEATURES

- Secondary optical/IR camera for chamber monitoring
- Flexible IO port with maze for cabling and integrated anesthesia port
- Collapsible preparation table
- System performance monitoring for predictive maintenance

## SYSTEM SPECIFICATIONS:

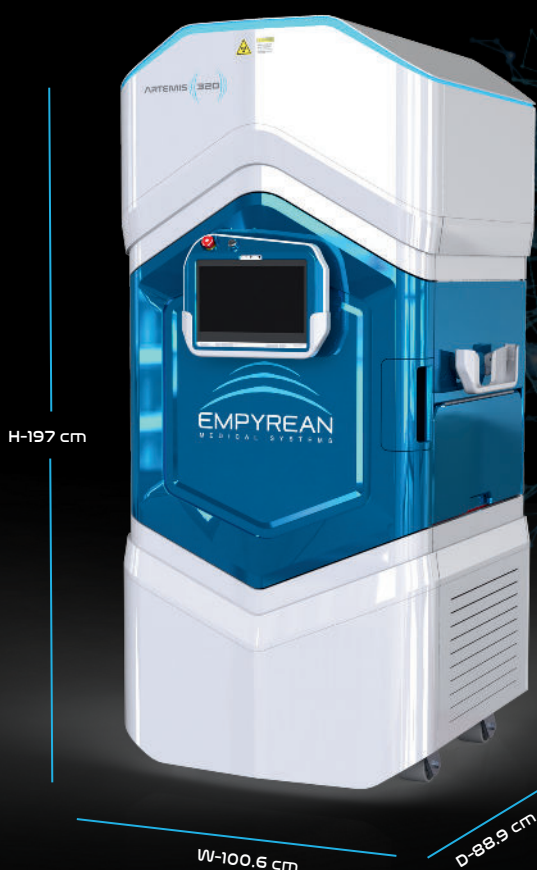
- Energy: 20-320 kVp
- Power: 4.2 kW
- Dose Rate:
  - 18 Gy/min (20 cm SSD), 3 Gy/min (50 cm SSD):  
at 320 kV, 12.5 mA, HVL ~1 mm Cu
  - 6 Gy/min (20 cm SSD), 1 Gy/min (50 cm SSD):  
at 320 kV, 12.5 mA, HVL ~4 mm Cu
  - SSD Range: 20-80 cm

FOR MORE INFORMATION



[www.empyreanmed.com](http://www.empyreanmed.com)

\*Complies with 21 CFR 1020.40 radiation safety guidelines

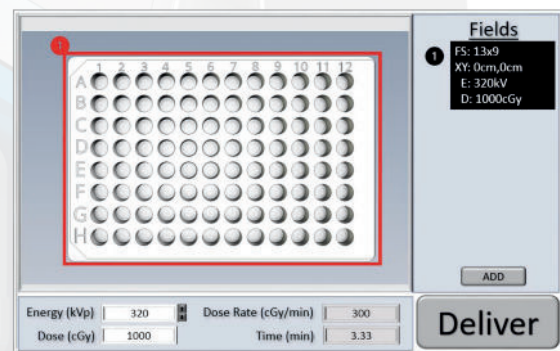


# ARTEMIS 320



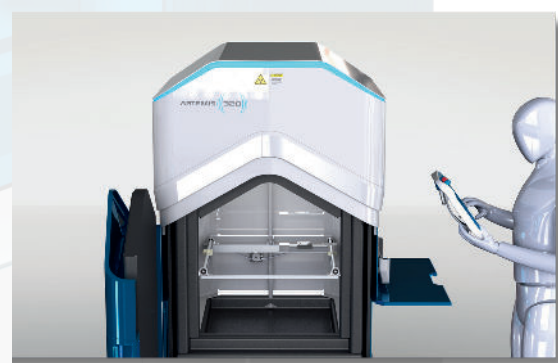
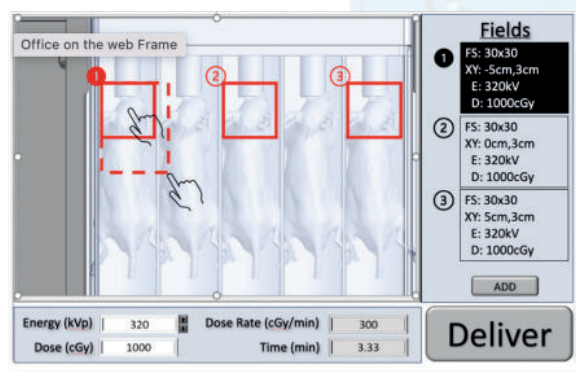
EXTERIOR VIEW: INCLUDES A REPOSITIONABLE TOUCHSCREEN, CONVENIENT ACCESSORY STORAGE AND DROP-DOWN TABLE

EFFICIENT WORKFLOW FOR FAST DELIVERY



USER-DEFINED BEAM DELIVERY PROGRAMMING

INTERIOR: WIDE SSD AND XYZ PROGRAMMABLE MOTION, ACCEPTS CUSTOMIZED TREATMENT BEDS



**About Us:** Empyrean Medical Systems is dedicated to advancing both scientific research and clinical outcomes through innovative solutions. Committed to quality and customer satisfaction, we strive to empower researchers with reliable tools for their cell and small animal research needs.

Customizable features are currently under development for the Artemis 320 and Artemis 500. For details on purchasing an Artemis system please contact us at:

Email: [info@empyreanmed.com](mailto:info@empyreanmed.com)  
Website: [www.empyreanmed.com](http://www.empyreanmed.com)

