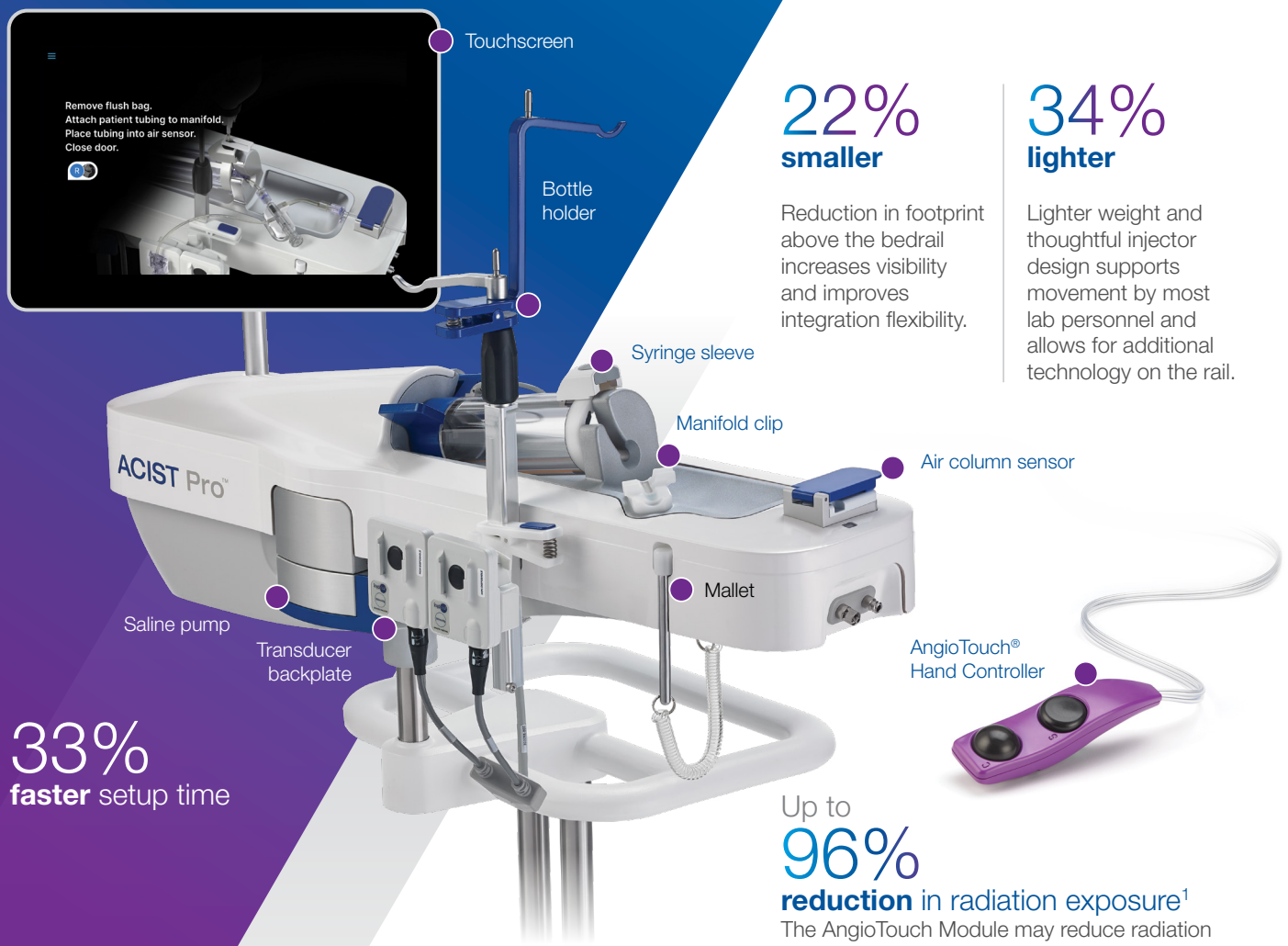
ACIST Pro™
Diagnostic System

The evolution in contrast management
Comparing ACIST CVi® and ACIST Pro™ Diagnostic System



22%
smaller

Reduction in footprint above the bedrail increases visibility and improves integration flexibility.

34%
lighter

Lighter weight and thoughtful injector design supports movement by most lab personnel and allows for additional technology on the rail.

33%
faster setup time

Up to
96%
reduction in radiation exposure[1]
The AngioTouch Module may reduce radiation exposure to the operator by up to 96%.*

Workflow consistency and reduced learning curve

On-screen troubleshooting

Real-time contrast tracking

*Radiation reduction dependent on where the user stands and placement of the hand controller connection on the bedrail.

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	ACIST CVi®	ACIST Pro™ Diagnostic System	Design Improvements
System			
Rail Placement		Mount and system designed to sit lower on bedrail	Reduce potential that system will block monitors
Mount	Threaded knob	Point-of-use	Facilitate location adjustment based on procedure setup
Cleanability		Improved component access and new coating on key contrast areas	Simplify contrast removal
AngioTouch® Module		Optional secondary hand controller connection point	Adjust lab setup for differing procedure types and cath lab equipment. Offer contrast injection control further from the radiation source
Cart Design		Streamlined design and adjustable height	Support transfer between labs and differing bed heights
Setup			
Overall Setup	Majority occurs on the sterile side	Majority occurs on the non-sterile side	Ease-of-use; Remove reach over sterile field during setup
Bottle Holder	Two-handed height adjustment	One-handed height adjustment	Simplify bottle replacement during procedures
Transducer Backplate Holder	Telescope	Slide and lock	Improve backplate stability to obtain consistent hemodynamic readings
Intuitive User Interface		Modern animation provides step-by-step instructions for setup and top troubleshooting scenarios	Support workflow consistency and reduce learning curve
Monitoring Sensors	5 sensors	7 sensors	Provide automated workflow advancement during setup
Auto-purge		Smart detection technology on patient tubing informs purge volumes	Reduce contrast waste through standardized purge volumes
Saline pump	Saline tubing centered between retainers	Saline tubing guides specify location in pump	Reduce tubing placement variations to streamline setup
Contrast Management			
Hand Controller Calibration	User-defined during setup	System calibrates during setup	Provide consistent contrast delivery independent of setup personnel
Contrast Volume		Customizable auto-refill volume	Reduce manual syringe volume tracking and potential refill wait time prior to image acquisition
Fill Rate	3 mL/sec	4 mL/sec	Reduce procedural refill times
Profiles	Unable to save injection settings	Save injection settings	Customize settings by procedure, user, lab, or hospital SOPs
Syringe Pressure Limits	Main screen, user-defined, manual entry	Settings screen, pre-selected options based on common accessory specifications	Adjust contrast flow rates as necessary for consistent image acquisition

1. Data on file: NU-CLAIM-41[1]

See the instructions for use for complete indications and safety information.

Important Safety Info: The ACIST Pro™ Diagnostic System is designed to be used by a physician to inject contrast media and saline during angiography. It should be used with appropriate radiographic imaging and blood pressure monitoring and electrocardiogram. Additionally, standard equipment for cardiopulmonary resuscitation and drugs for the treatment of contrast media-induced drug reactions should be available. The ACIST Pro system must be operated by or be under the immediate and direct supervision of a physician trained in angiography and the operation of this unit. For maximum safety, use only material provided by ACIST Medical Systems in conjunction with ACIST Pro. Please refer to the Instructions for Use for more important safety information. Contamination of patient kits or the contrast container septum poses a risk of serious patient injury due to infection. If suspected contamination has occurred, replace the affected item.

An air embolism can cause patient injury or death. **The operator must take care and follow a defined procedure consistent with the ACIST Pro Instructions for Use; this is essential to avoid injecting air and causing an embolism.** Before injections, clear all air from the entire patient kit and the angiographic catheter. **It is necessary to reference the ACIST Pro Instructions for Use to review all important safety information relating to the device, and particularly to the prevention of air embolisms, as the ACIST Pro's sensor systems are not designed to replace the vigilance and care required of the operator in preventing such events.**

Use extreme care when setting the flow rate. High flow rate injections can cause patient injury or death. **When high flow rate injection is required, select a pressure setting that does not exceed the catheter's pressure rating.** The maximum pressure rating of the ACIST Pro system is 1200 psi.

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