VISARIS

TECHNICAL BULLETIN
Q1 2018

AVANSE DR VERSION 4.7

IMPROVED DETECTOR CONTROLS

IMPROVED IMAGE PROCESSING ALGORHITMS

STAND DRIVING FROM THE MAIN CONSOLE

QA AND SERVICE REPORTING

NEW TUBE-STAND HANDLE WITH TOUCH-ACTIVATED BRAKE RELEASE CONTROL

WIDER TABLE BUCKY MOVEMENT RANGE

MULTI-FUNCTIONAL REMOTE CONTROLLERS

INTEGRATED CONTROL BOX FOR SMALLER VISION DEVICES

AVANSE DR VERSION 4.7
A MUCH SIMPLER WAY OF GETTING THINGS DONE

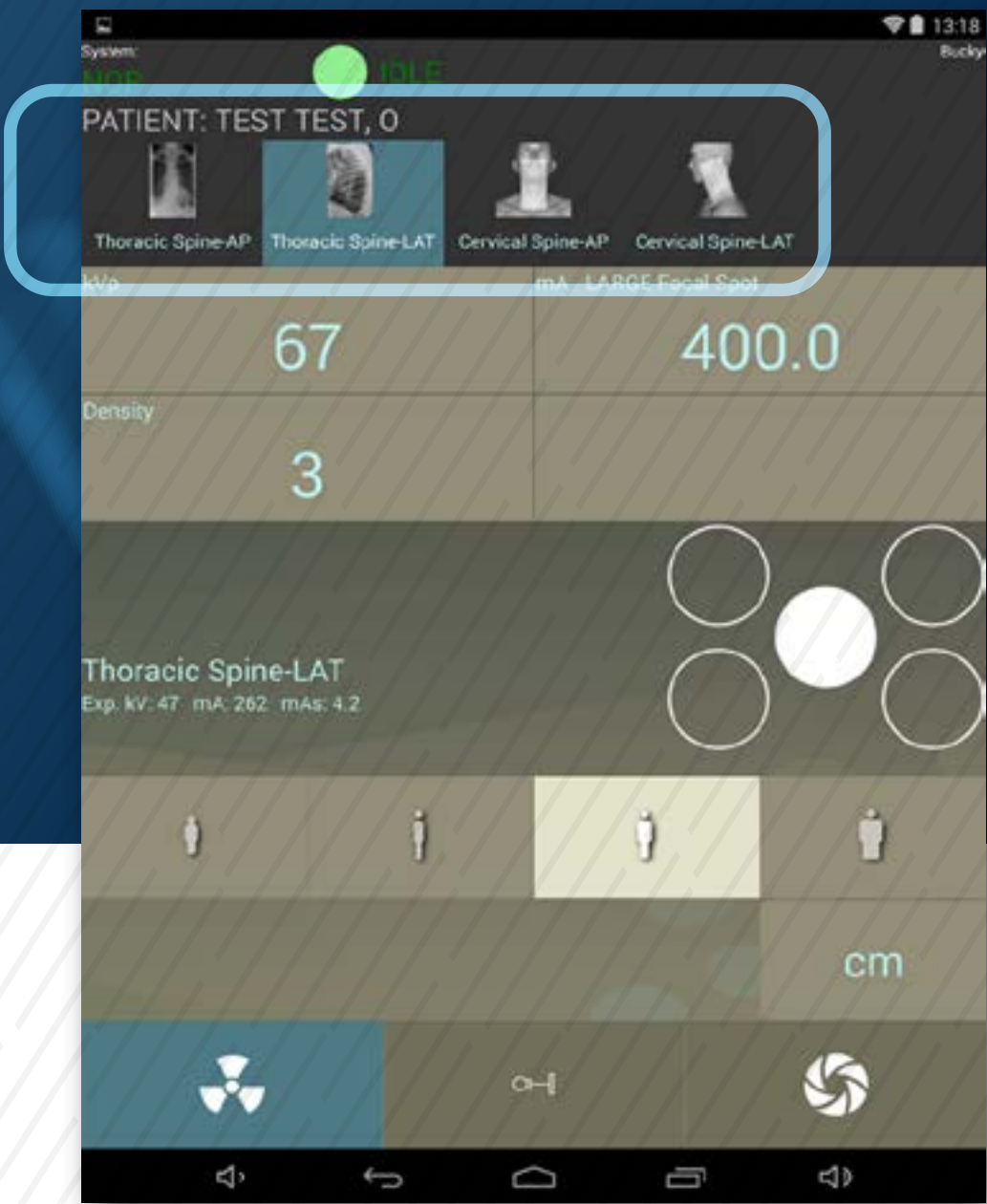**Even simpler GUI with more space for tablet applications**

Improved ergonomics of the GUI layout means:

- Contextual grouping of buttons in the same display area
- Simplified graphical icons
- Reduced operator effort and fatigue
- Smarter workflow management

Worklist pane is now available on the tube side tablet

Select a specific view without leaving the examination room.

IMPROVED DETECTOR CONTROLS

New detector selection panel, displays status of all visible detectors.
Simply press the icon to choose a detector.

- Wi-Fi connection quality
- Battery level
- Current technique
- System assigned detector ID
- Detector self-identification code
- Detector availability for technique

Simpler detector sharing between rooms

Hassle-free wireless detector sharing using a Trixell detector with IR receiver/transmitter. Simply line up the detector with the IR sensor.

Varian simple connect - Connect detector to router or console via micro-USB.
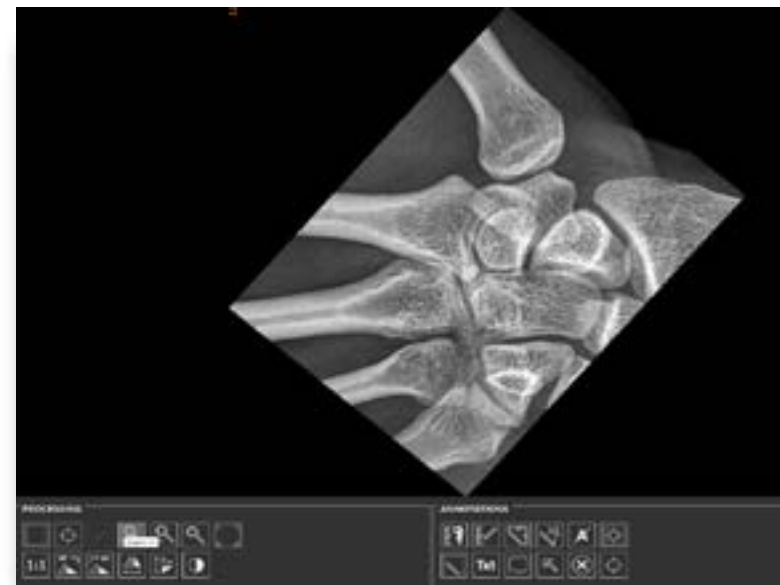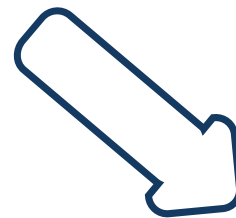

WI-FI ROUTER

VISARIS

IMPROVED IMAGE PROCESSING ALGORITHMS

New cropping tool.
Define the crop area by dropping coordinate points (≥2) on the image.

Configurable free-rotation applied automatically.

IMPROVED CONTRAST
AND BACKGROUND HOMOGENEITY

State-of-the-art processing algorithm used by a major radiography vendor.

Old Avanse DR algorithm.

Avanse DR 4.7 algorithm.

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Comparative study results

A comparative study, using 100 images covering the entire human anatomy, was conducted at the University of Novi Sad, Serbia.
The results were calculated from the responses of a small group of volunteer radiologists.
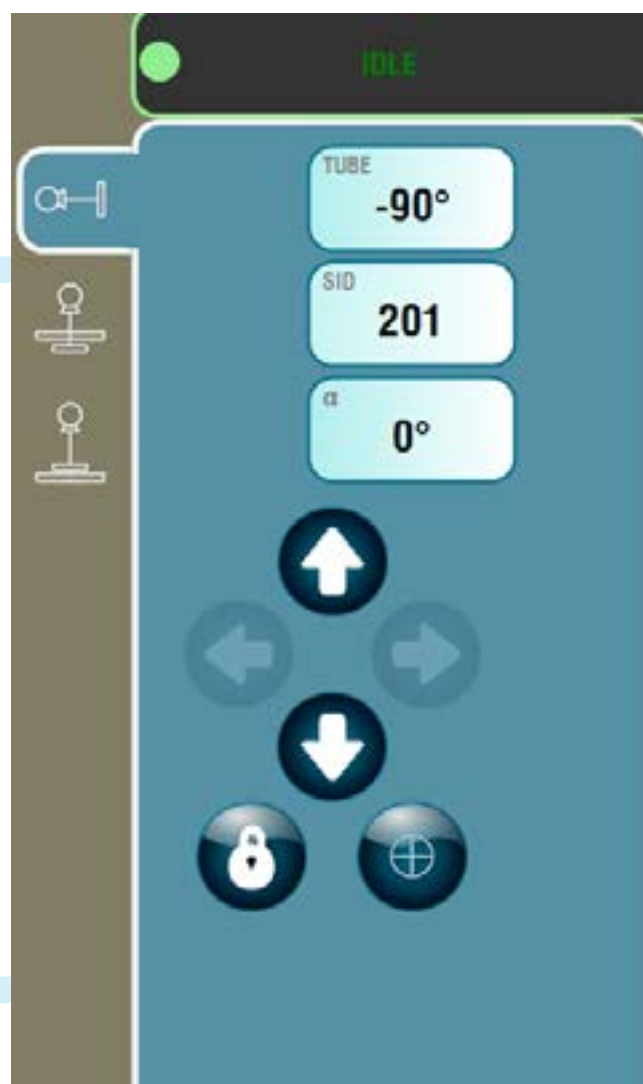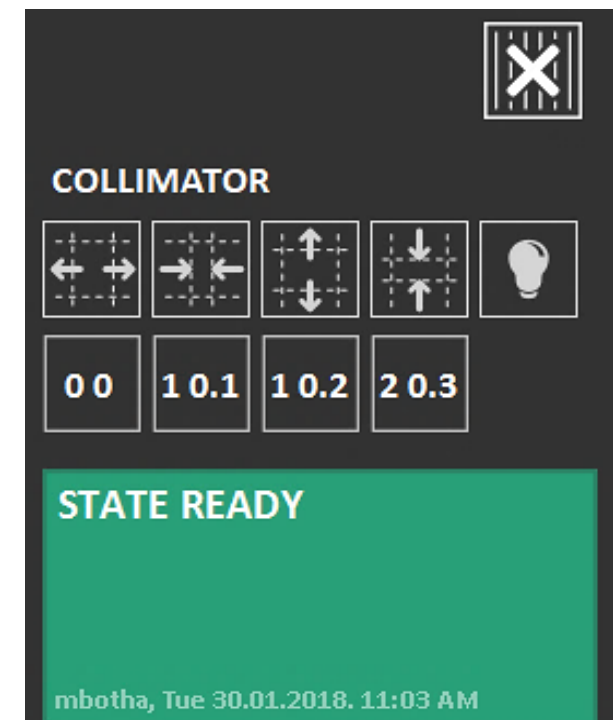
The new Visaris processing algorithms have a clear lead over those of a leading competitor.

	TOP VENDOR	VISARIS (OLD)	VISARIS (NEW)
OVERALL IMPRESSION	3,64	3,4	4,15
CONTRAST	3,87	3,74	4,55
DETAIL VISIBILITY	3,81	3,55	4,44

STAND DRIVING FROM THE MAIN CONSOLE
A MUCH SIMPLER WAY OF GETTING THINGS DONE

Motorised collimator controls now on the main console.

COLLIMATOR

0 0   1 0.1   1 0.2   2 0.3

STATE READY

mbotha, Tue 30.01.2018. 11:03 AM

IDLE

TUBE -90°

SID 201

α 0°

Tube stand movement controls on the main imaging console screen, allows position fine-tuning from the operator room.

QA AND SERVICE REPORTING

- Automatic QA report generation (dose, usage stats, repeat analysis).
- Automated e-mailing of reports at configurable intervals.
- No need for RAD Administrators to physically access a device for reporting.
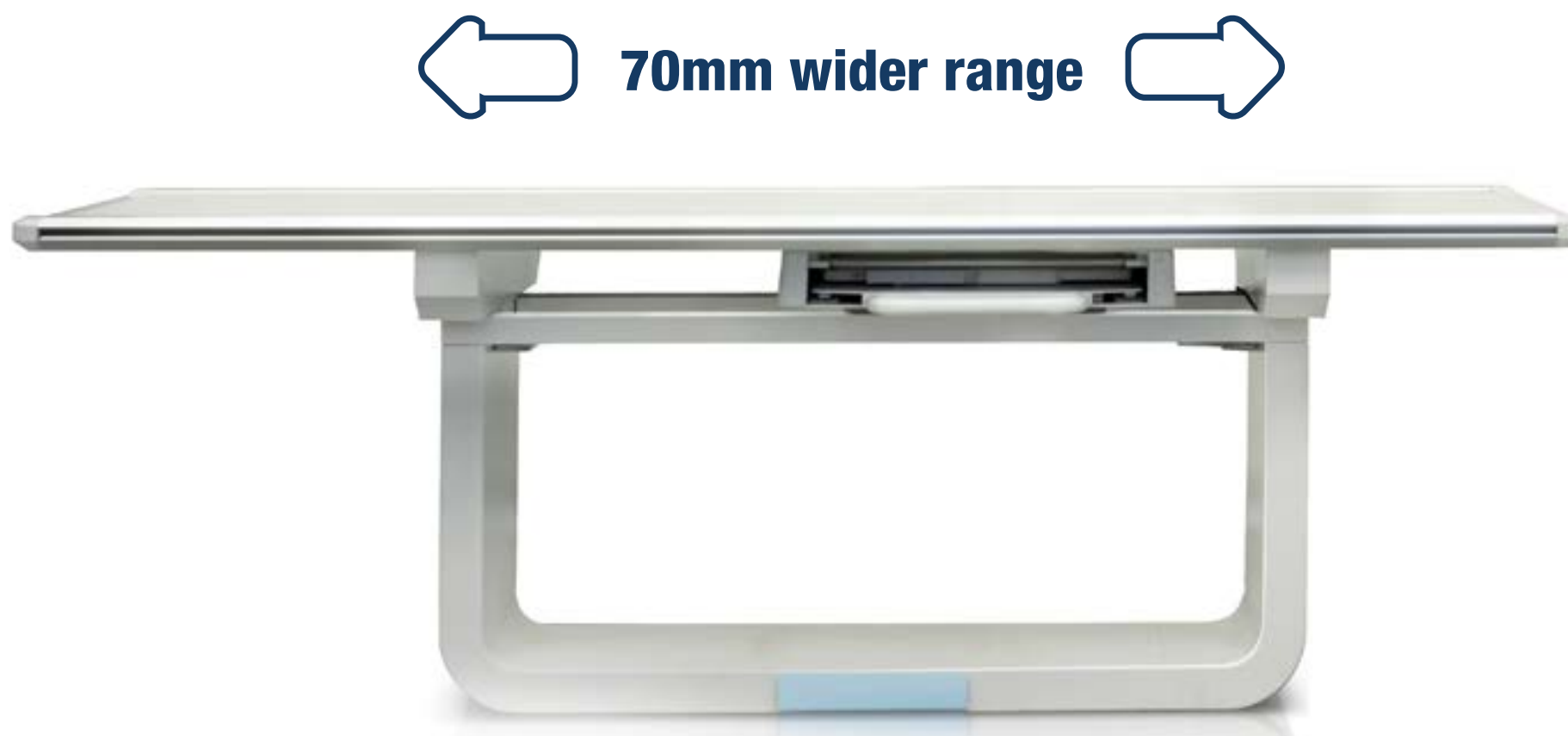- Easy reporting of service issues from the device console with one click.

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Capacitive touch-sensing technology allows easy, one-touch, button-free manual positioning of Tube and Wall Stands and Buckies.

Simply touching the handle releases system brakes.

Functions while wearing surgical gloves.

Wider movement range of table bucky

70mm wider range

Increased movement range of the bucky in both the 4- and 6-way tables
- from 420mm to 490mm.

Increases the maximum range of acquisition of Long-Anatomy stitching views

VISION V / VISION U / VISION C
Multi-functional remote controllers

Fully configurable remote controllers, including wireless/wired pedals and new handheld controllers.

Wireless pedals for 6 way tables, OTC, FMTS (tracking and move allow) and U arm, easy to deploy, easy to move.

Handheld remotes can be custom programmed to suit customer workflow needs.

Tube/WS up, Track up

Tube/WS down, Track down

Collimator Light on/off

Move allow

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INTEGRATED CONTROL BOX
FOR SMALLER VISION DEVICES

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Control box for Vision X, U and manual Vision V, now integrated with generator.

No more wall mounted electro plate.

Simpler and faster installation.

Applicable to Vison V (Standard), Vision X and U

No separate EP, controllers mounted under generator cover.

Simpler wiring: only certain cables re-terminated (AEC, DAP).

Power supplies embedded in the table.

Less room requirements.

Less packaging, lower environmental impact.