

# INTRODUCING THE KDR<sup>®</sup> FLEX

## Overhead X-ray System, Dynamic X-ray Ready.



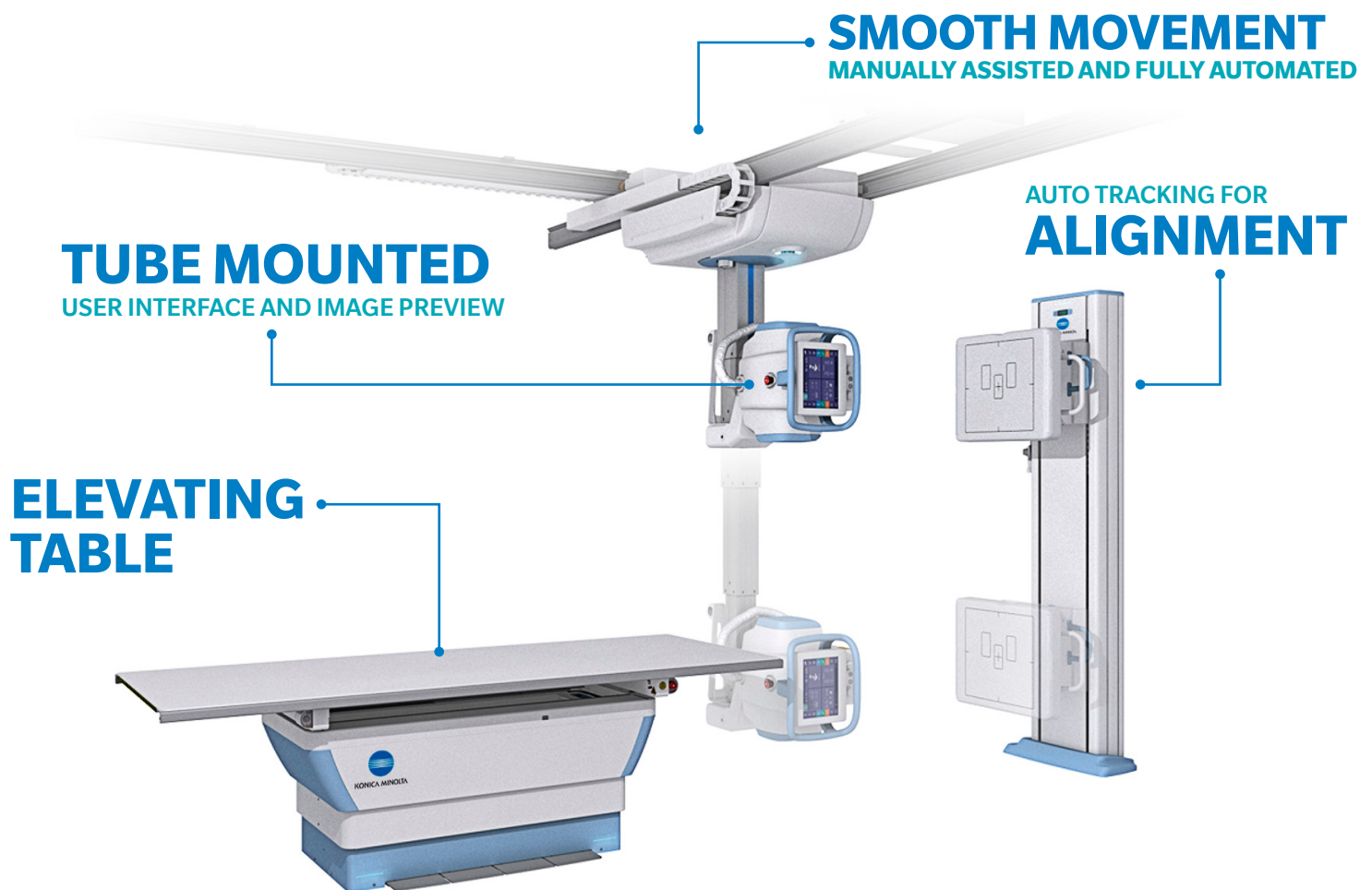
### A NEW WAY OF THINKING ABOUT RADIOGRAPHY

Imagine a system that can convert from manual to auto and to assist mode that includes an intuitive and customizable user interface. The KDR Flex is a powerful digital radiography system that meets the most demanding X-ray imaging needs. Integrated with AeroDR<sup>®</sup> digital imaging technology, the KDR Flex improves ergonomics, image quality and clinical value to help clinicians make **better decisions, sooner.**

State-of-the-art imaging software supports detailed bone and soft tissue visualization.

ADVANCED TECHNOLOGY, ERGONOMICS AND CLINICAL VALUE.

# SMART RADIOGRAPHY IS HERE. JUST LOOK UP!



Featuring *AeroDR*® Technology



**HIGH DEFINITION**  
100 $\mu$  @ 72% DQE  
(@ 0 cycle/mm)[1]



**DYNAMIC DIGITAL  
RADIOGRAPHY  
READY**



**FLEXIBLE**  
Multiple Panel Sizes  
10"x12", 14"x17", 17"x17"



**STITCHING**  
On table and wallstand

# ADVANCED DESIGN WITH FLEXIBLE CONFIGURATION

The **KDR® Flex Overhead X-ray System** is our most advanced and flexible radiology system to date. An integrated system for all conventional radiographic applications in combination with a high-frequency generator, radiographic table and wall bucky. The system is designed for flexibility and ease of use and can be configured as manual-assisted or automatic. The KDR Flex can also be upgraded to perform full-body stitching and Dynamic Digital Radiography (DDR) to meet your clinical requirements.

## A ROBUST SYSTEM

The reinforced design reduces instability and vibration to a minimum, facilitating positioning precision. Electromagnetic locks, angulations and rotation brakes in the ceiling suspension, table and wall stand ensure accurate positioning. The table includes a smooth elevation mechanism for patient comfort with a maximum loading capacity of 772 lbs.

## TUBE MOUNTED USER INTERFACE

The KDR Flex features a 12" high-resolution touch screen with an integrated user interface. The tube-mounted screen allows the operator to control system and see the images to reduce exam time. The dual screen design has been proven to expedite operation and improve workflow.

## AUTO-POSITIONING AND ALIGNMENT

KDR Flex automatically tracks the tube and moves to the detector's center on the table or wallstand to ensure the alignment, SID and angulation. All the axes are motorized with more than 5m/16' of travel and 360 angles.

## ZERO EFFORT TECHNOLOGY

The capacitive handle in the tube head has internal sensors that release movements when touched by the operator. The system smoothly follows the operator's hand just by touch, with no effort to preset positions. All stand and table movements are quick in multiple directions, also with almost zero effort.

## AUTO-TRACKING WALLSTAND

When the ceiling suspension is moved manually or with remote control up or down, the detector positioner (table, wallstand) will follow it in parallel until it returns to center.

## DYNAMIC DIGITAL RADIOGRAPHY (DDR) OPTION

DDR is an enhanced X-ray technology that provides individual digital images acquired at high speed and low dose. The resulting cineloop enables clinicians to observe anatomical motion over time, enhancing diagnostic capabilities. The motion series can be analyzed and quantified with the advanced image processing capability of DDR. **DDR is not fluoroscopy; it's X-ray that moves!**



## TECHNICAL SPECIFICATIONS\*

### OVERHEAD

|                            |                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Longitudinal Rails</b>  | 3.9 / 4.6 / 5.1 / 6.1 m<br>12.8 / 15.1 / 16.7 / 20.0'                                                                                                                                   |
| <b>Transversal Rails</b>   | 2.5 / 3.0 / 3.5 m<br>8.2 / 9.8 / 11.5'                                                                                                                                                  |
| <b>Movement</b>            | Manual movements and motorized movements in all axes                                                                                                                                    |
| <b>Automatic Movements</b> | Auto-centering<br>Auto-positioning<br>Auto-tracking<br>Stitching (Optional)                                                                                                             |
| <b>Additional Features</b> | X-ray support with 360° for X-ray tube rotation and 270° for X-ray tube angulation<br>Touchscreen control console<br>Manual or auto collimator<br>Capacitive steering<br>DDR (optional) |

### TABLE

|                               |                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------|
| <b>Type</b>                   | Floating tabletop with longitudinal and transverse motion pedal controls        |
| <b>Lowest position</b>        | 500 mm (19.6")                                                                  |
| <b>Maximum patient weight</b> | 350 kg (771.6 lbs.)                                                             |
| <b>Functionality</b>          | DR vertical auto-tracking<br>DR horizontal auto-tracking<br>DR auto-positioning |

### WALLSTAND

|                      |                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Functionality</b> | DR vertical auto-tracking<br>DR auto-positioning<br>Patient hand supports<br>Automatic movements control box<br>Vertical movement footswitch |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|

\*Specification may change without notice.



For more information about these products, please contact your Konica Minolta Sales Representative.

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