FUJIFILM
Value from Innovation
CT

# SCENARIA View

## LOWER DOSE, REMARKABLY OPEN DESIGN



the next level in ct




# Efficiency

Experience enhanced workflow speed and clear CT image quality across a wide range of applications using 64 slice acquisition and up to 128 slice reconstruction. Access the latest dose awareness, reduction and management features.* Benefit from more open patient access, a compact footprint, new energy efficient technologies and lower cost of ownership with Fujifilm SCENARIA View.

With the SCENARIA View
**the next level** in CT is here.

# SCENARIA View

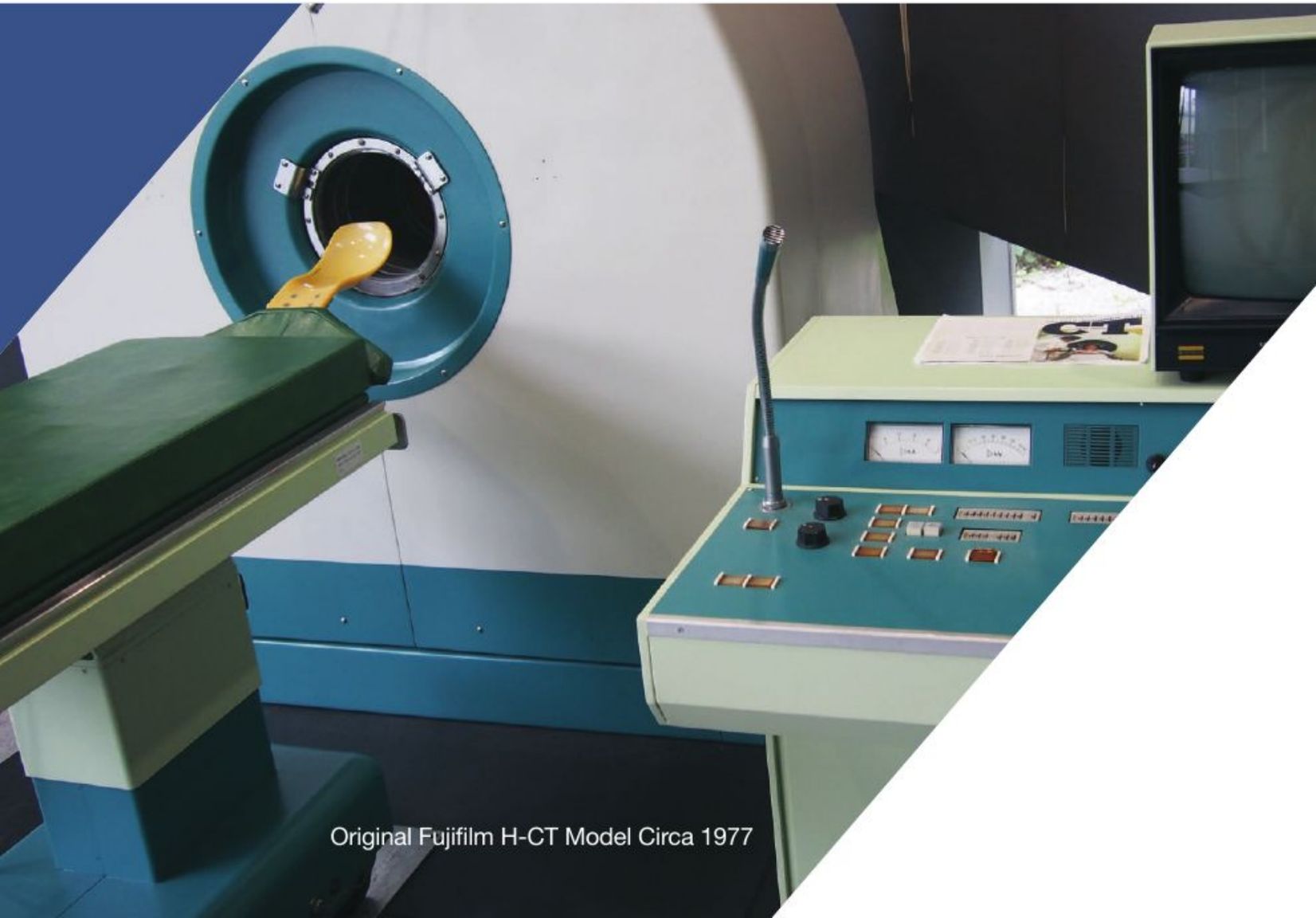



* In clinical use, dose saving features may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practices employed. Consultation with a radiologist and physicist are recommended to determine the appropriate dose needed to obtain diagnostic image quality for a particular clinical task.

## Fujifilm's Landmark Design

Fujifilm created the SCENARIA View (View) with practical innovations that better address the pressing needs of patients and the majority of CT providers for both their in and out patient services. Versatile and patient friendly, the View is built on more than 40 years of experience in Computed Tomography. Worldwide, Fujifilm has delivered over 14,000 CT Systems.

# CT's History



Original Fujifilm H-CT Model Circa 1977

## Computed Tomography's History

CT was first presented in 1972 at the British Institute of Radiology Meeting. Catching the attention of leading US Radiologists, these thought-leaders purchased early systems for their own US academic centers. The first EMI CT systems took nearly 10 minutes to scan and reconstruct each thick grainy slice using a primitive computer with other vacuum tube electronics. And CT imaging then was only possible for the top portion of the head.

CT has advanced over nearly 50 years, technically and clinically, in a "Moores' Law" like fashion that equals computer capability advances. Numerous CT performance improvements have occurred that exceed 1 billion fold.**



In those same 50 years US Healthcare delivery has also transformed to better serve patients with heightened emphasis on diagnostic speed and accuracy together with powerful patient experience and cost management drivers. CT has played a vital role in this transformation.

With Fujifilm's core commitment to Innovating Healthcare, Fujifilm developed the View to be not just another "NEW" model, but rather, a powerful product achievement that addresses the needs of the majority of CT providers. The View sets a high benchmark for dose reduction,* image quality, versatility, reliability and affordability. Fujifilm is well qualified to meet this challenge with its combined expertise and experience as a recognized worldwide electronics leader, early CT pioneer and with Fujifilm Healthcare Americas more than 30 years direct business presence in the US Imaging Market.

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# Quality

The View is an outstanding CT for Radiology Departments, ED's and Outpatient locations that delivers a unique synergy of:

- High Image Quality with Lower Dose*
- Versatility
- Affordability
- Reliability

MEDICAL IMAGING & TECHNOLOGY ALLIANCE
MITASMART DOSE



# SCENARIA View

## High Image Quality & Workflow

The View employs 64 discrete detector/electronics channels over 40mm detector coverage for rapid true 64 slice thin-slice imaging and reconstructs up to 128-slices per scan rotation.

Sub-millimeter slice capabilities optimize finely detailed images for small lesion and vessel assessment, while metal artifact reduction capabilities enable orthopedic exams without objectionable metal induced artifacts.





## Versatile Capabilities

The View is a powerful premium performance CT solution providing high image quality and dependable routine application capabilities with advanced clinical application options available for:

- 80mm Axial and 120mm Helical Coverage Shuttle Scan for Perfusion Exams
- Calcium Scoring and Advanced Cardiac CTA
- Interventional Needle Guidance
- Dual Energy Exams
- Available advanced 3D Visualization Servers and 2nd Console options

# Advanced



80cm gantry aperture



# SCENARIA View

## Innovative View Advantages

The View is an outstanding workhorse product in every regard and differentiates itself vs. competing systems with important design and performance advantages.

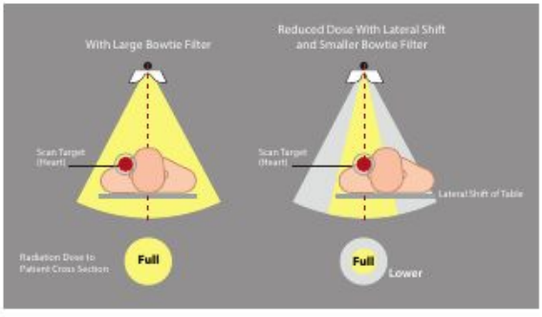
### Superior Access and Scan Capability for Obese and Tall Patients

The View provides excellent bariatric (and tall) patient capabilities by combining a standard 550lb table weight capacity, a more spacious and patient friendly open 80cm gantry aperture, a more powerful 84kW generator, providing up to 700mA operation and the multiple benefits of an automated lateral shift table. The View's table also provides extended coverage of up to 200cm to be able to scan a full patient length of 6.5ft.

### Lateral Shift Table

Advantages of the standard Auto Lateral Shift Table that enables ±10cm lateral shift (20cm total shift range) include providing easier and more accurate positioning of the patient's anatomy of interest at the scan Field of View's isocenter where spatial resolution can be better than off-center. And, used together with the scanner's small bow-tie filter dose* can be reduced vs. a non-centered patient.

Larger Bowtie Filter required for larger FOV coverage of off-center scan target




Smaller Bowtie Filter used with Lateral Shifting Table for smaller FOV scan of centered scan target



-10cm | -5cm | Centered | +5cm | +10cm

# Technology



## Key Technologies

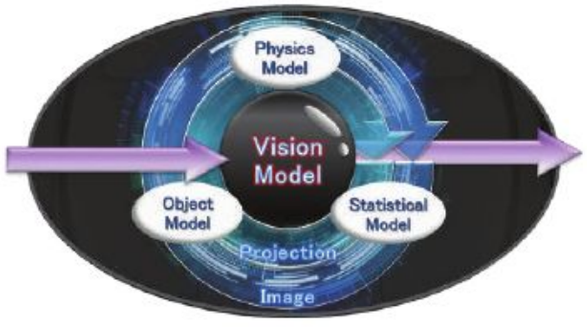
The View's enhanced clinical performance is driven by numerous technological advances that Fujifilm has refined to create an outstanding CT System.

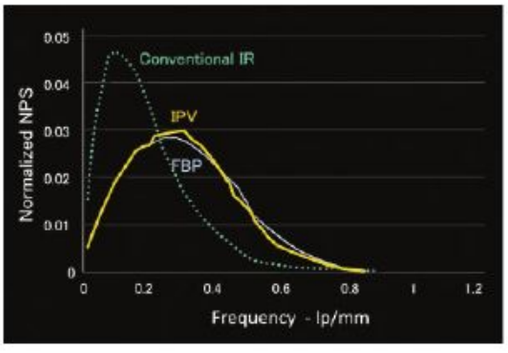
### Intelli IPV – Iterative Reconstruction

IPV is Fujifilm's Next-generation "vision modeled" iterative processing that provides dose reduction and overcomes a conventional IR weakness by IPV maintaining normal image texture that better matches the image texture appearance of Filtered Back Projection (FBP).

**Utilizing IPV vs. conventional FBP reconstruction can provide**:**

- Dose reduction up to 83% at the same image quality (low contrast detectability)
- Image noise reduction up to 90% at the same dose
- Noise reduction rate control according to the IPV level used
- Low contrast detectability improvement by up to 2.0X (100%) at the same dose
- Natural image texture appearance (the shape of noise power spectrum) similar to that of FBP, even if using higher IPV strength level




### HiVision Detector

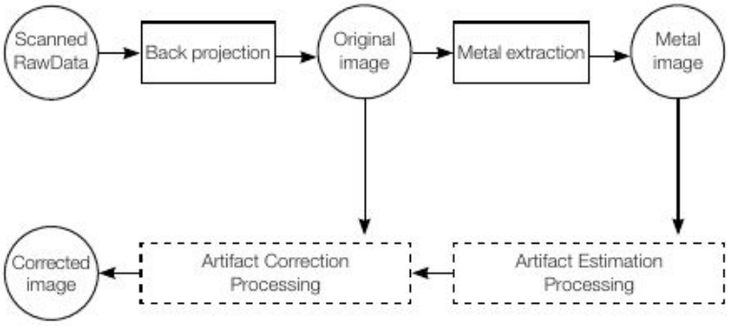
To further enhance image contrast detectability the View's new HiVision Detector integrates digital signal processing within each detector module to minimize electronic noise in the acquired attenuation data. HiVision reduces electronic noise by 25%.

** Notes:
In clinical practice, the use of Intelli IPV may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice.
A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.
Low contrast detectability (LCD) and image noise were assessed using reference factory protocols comparing Intelli IPV and FBP, and the LCD measured in 0.625mm slices and tested using the MITA CT IQ Phantom (CCT189, The Phantom Laboratory), using model observer method.

## Key Technologies

### HiMAR Plus - Metal Artifact Reduction

HiMAR Plus enables orthopedic exams without objectionable metal induced artifacts, by correction of raw data.






Before HiMAR Plus



After HiMAR Plus

# Comfort



# SCENARIA View

## Automated Cardiac

The View's advanced optional cardiac package provides automated features to ensure optimal pre-scan protocol selection and post-scan selection of the most informative cardiac phase images for enhanced clinical results and workflow. With available prospective step & shoot and retrospective dose-modulated ECG Gated acquisition, the View ensures high quality study results for a wider range of patients.

## Compact Design

Building upon Fujifilm's expertise as a leading micro-electronic designer, the View makes efficient use of limited room space and is comprised of only 3 system modules: the gantry, table and operator's console. There are no other CT system cabinets, enabling the View to fit into spaces that are smaller than previous CT designs.



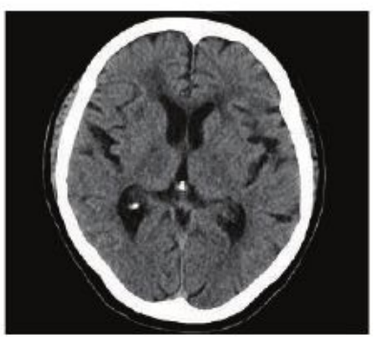
## Eco Friendly

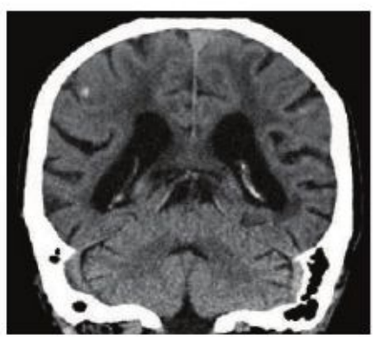
With consideration for minimum resource usage, the View incorporates Eco-Mode that can reduce power consumption by up to 70% during non-use shifts with programmable predetermined wake-up and warm-up time.

## Advanced 3D Visualization capabilities

The View is compatible with a wide range of optional Advanced 3D Visualization Server solutions and can be seamlessly embedded in your current information network. And, Fujifilm offers market leading 3D visualization solutions that can enhance the tools you use today.

# Excellence



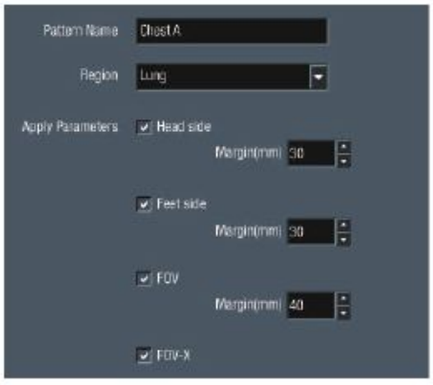




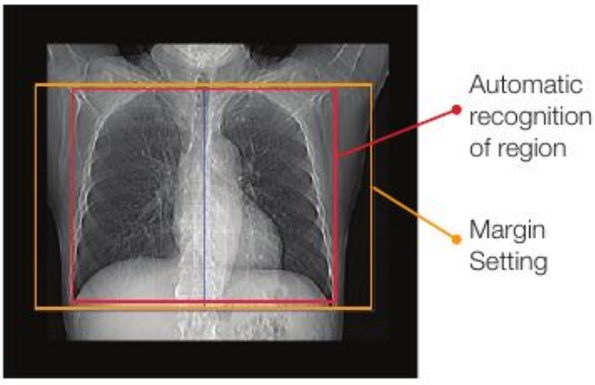
# SCENARIA View

## Ease of Use

With SynergyDrive enhanced workflow, the View dramatically reduces examination time by automating and shortening the operator's procedure steps. AutoPose, using an automated algorithm, automatically suggests the scan range and dimension based on protocol and patient's size observed during the Scanogram (Scout) scan.




AutoPose setting screen



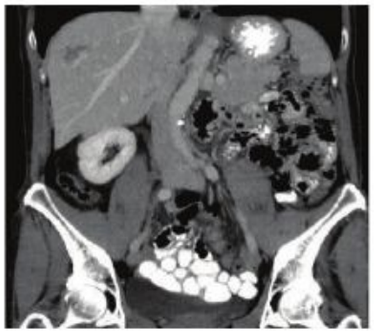

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## Broad Clinical Applications

The View includes a wide range of customizable adult and pediatric protocols for lower dose acquisition. The View includes XR-25 Dose Check control and is also XR-29 Compliant. It also has FDA 510(k) Cleared Indication for Use for low-dose CT lung cancer screening.

Fujifilm's patient focused philosophy is built into the View. Its leading dose reduction and awareness features put the patient first without compromising image quality - meeting ALARA (As Low As Reasonably Achievable) standards.





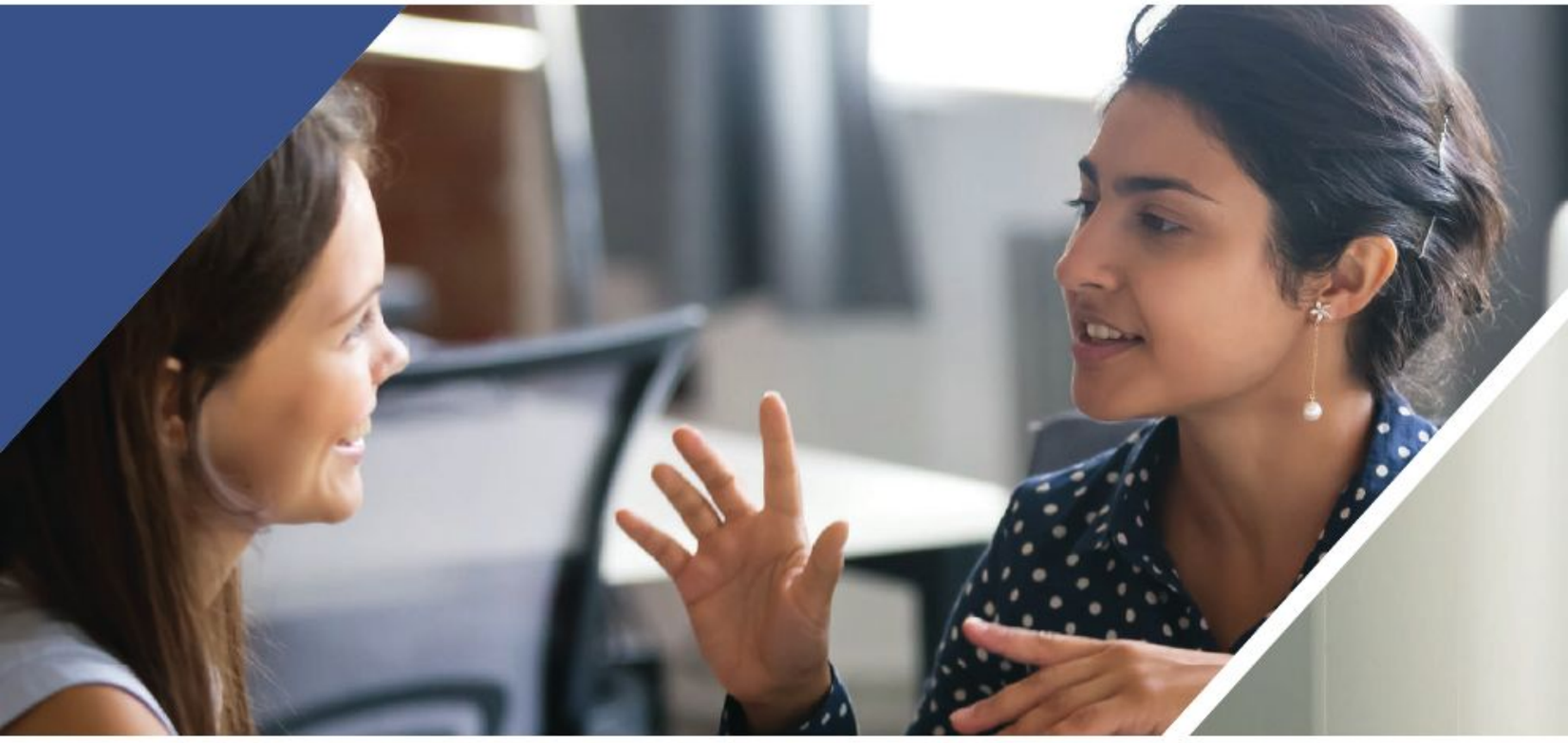




## Unmatched Customer Support

The View is backed by Fujifilm's unmatched support capabilities including 99% Uptime guarantee, comprehensive in-service training, unlimited scheduled applications revisits during warranty & full service contract period. It also includes our advanced marketing programs to help you get the most out of your purchase.

# Support



# SCENARIA View

### Seamless Site Planning and Installation

With a smaller gantry/table footprint, the View is the ideal choice for replacing your older CT with little or no reconfiguration of room space. You can depend on your Fujifilm site planning expert to be there and guide you every step of the way.

### On-site/Off-site Training

Comprehensive on-site applications training with no-charge follow up visits come standard with every Fujifilm warranty and full service contract. So, when you need to update the skills of your existing workforce, or train new employees, the experts at Fujifilm will do the training without added financial burden to your facility. Our on-site and corporate facility training programs (FITS) are continually revised so that the latest dose reduction strategies and best operating practices are always at the forefront of your CT experience.

### 99% Uptime Guarantee

Expect reliability. Your system is running 99% of covered time during every quarter or you receive additional service at no cost.

### Sentinel™ Remote Service

Your warranty and service contract comes with remote service support including diagnostics, image review, raw data analysis, read error messages, monitor operating parameters and more.



## Innovating for a healthier world

Fujifilm transformed its corporate structure for growth by expanding beyond the traditional photographic film business to six priority business fields, including healthcare – ranging from diagnostic imaging to regenerative medicine.

Our R&D innovations over the decades find us today with highly specialized expertise in increasingly relevant technologies that inform modern healthcare.

For over 80 years Fujifilm has continually invested in research and development resulting in world-class, highly versatile fundamental core technologies.

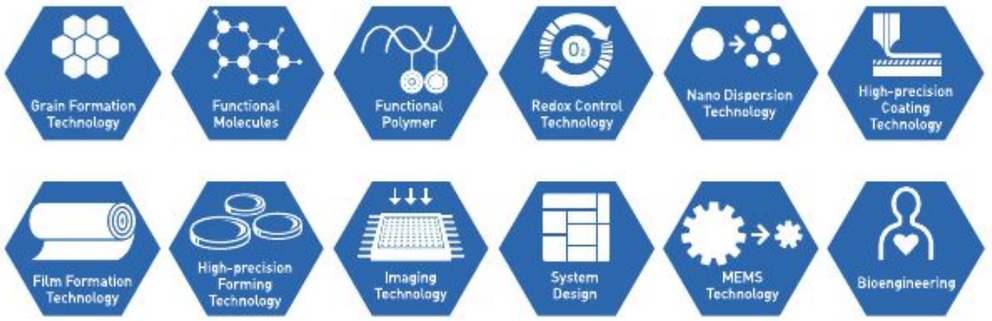
These technologies and knowledge were accumulated in the photographic film business. Today this expertise allows Fujifilm to design and innovate new products and services for diverse businesses that will shape the future for Fujifilm.

We describe this birth of new applications and technologies from Fujifilm's extraordinary background of innovation as leveraging fundamental core technologies.

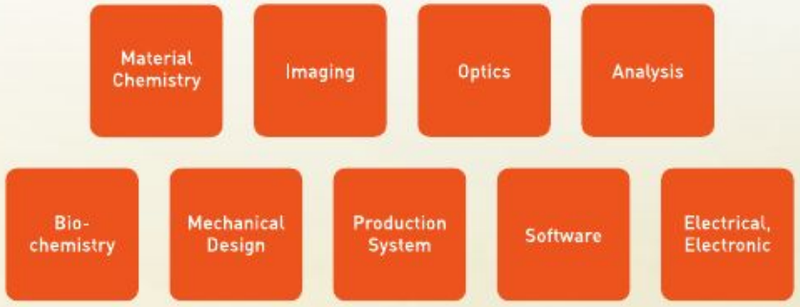


# Innovation

## CORE TECHNOLOGIES




## FUNDAMENTAL TECHNOLOGIES




All of these diagnostic and therapeutic technologies form a highly connected, holistic approach to healthcare, with the goal of helping patients along the entire care pathway, from the earliest diagnosis right through to the development of new regenerative treatments.



NEVER STOP



# SCENARIA View

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