

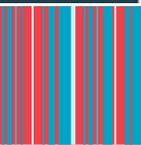
SLIDE MANAGER

AGENDA

INTRODUCTION

WAYS OF MANAGING SLIDES

BENEFITS



Slide Manager - Introduction

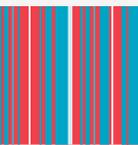
The Slide Manager is a fully automated system for

- Handling
- Retrieving
- Sorting
- And archiving microscope slides

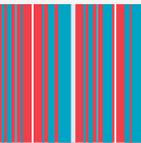
Originally developed for the Pathology lab at Odense Univeristy Hospital in Denmark

First unit up and running in 2021

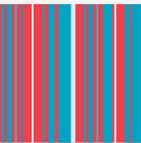
Now 5 units in DK (Number 6 in 2026)



Slide Manager - Construction



SO WHAT DOES IT ACTUALLY DO?



Slide Manager Introduction – a multipurpose instrument



1. OPERATING ROOM/CLINIC



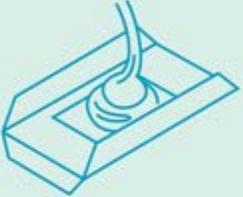
2. RECEPTION & GROSSING



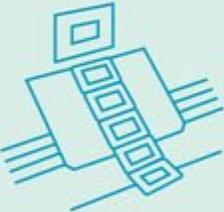
3. CASSETTE & SLIDE PRINTING



4. CRYOTOMY



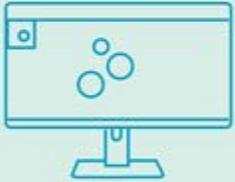
5. TISSUE PROCESSING & EMBEDDING



6. MICROTOMY



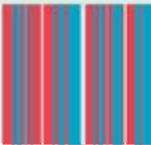
7. STAINING & COVERSLIPPING



8. DIGITAL SCANNING & AI



9. ARCHIVING



Slide Manager – Slide Repository

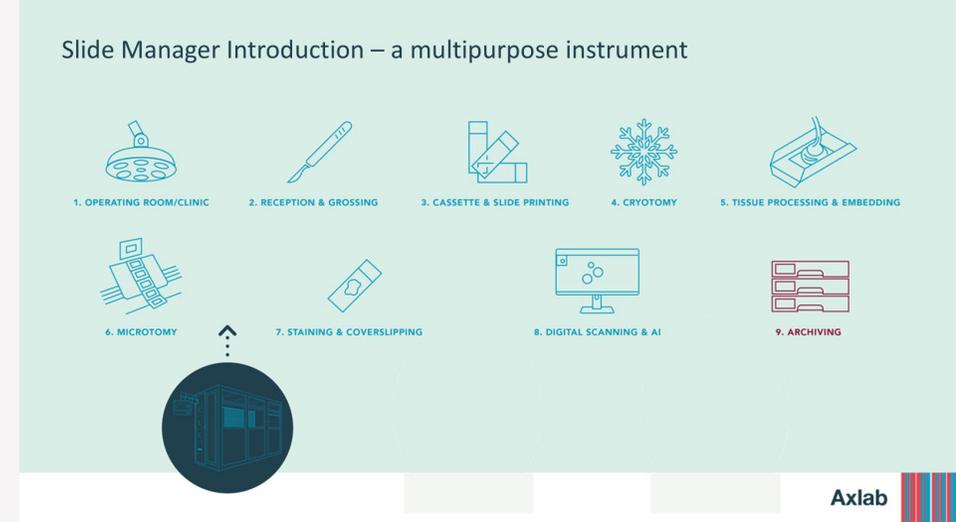
Store those extra unstained slides for additional IHC etc.

Workflow

- Slides are produced during microtomy
- Inserted into Slide Manager
- Retrieve, when additional stains are ordered

Benefits

- Keeps slides safe – both physically and no misplaced / lost unstained slides
- Easy, fast and convenient retrieval when needed



Slide Manager Introduction – a multipurpose instrument



1. OPERATING ROOM/CLINIC



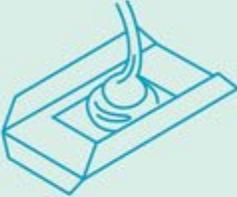
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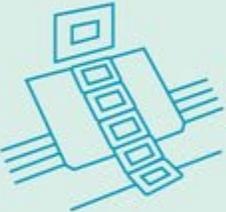
3. CASSETTE & SLIDE PRINTING



4. CRYOTOMY



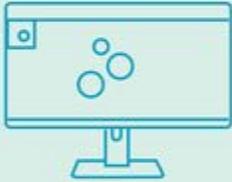
5. TISSUE PROCESSING & EMBEDDING



6. MICROTOMY



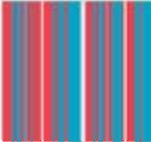
7. STAINING & COVERSLIPPING



8. DIGITAL SCANNING & AI



9. ARCHIVING



Slide Manager – Case Assembly

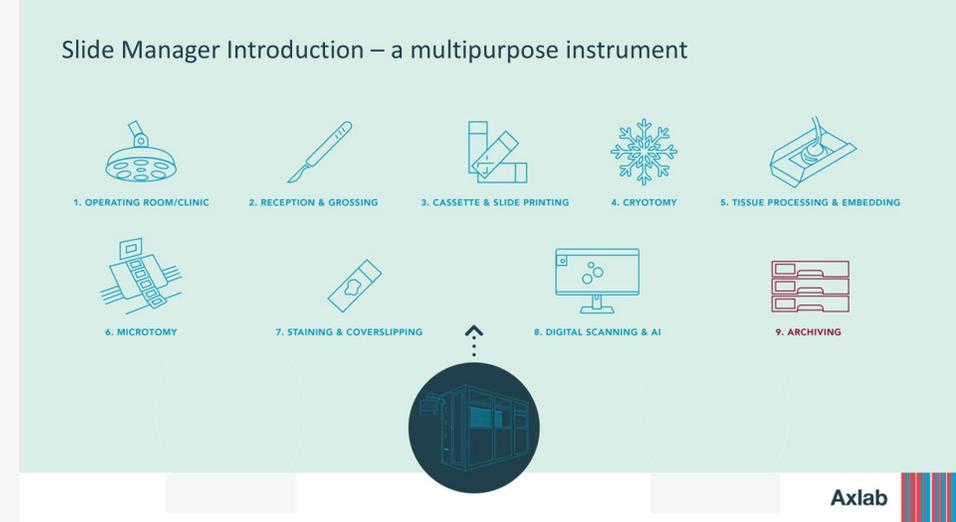
Free up time by automatically assembling patient cases for microscopy

Workflow

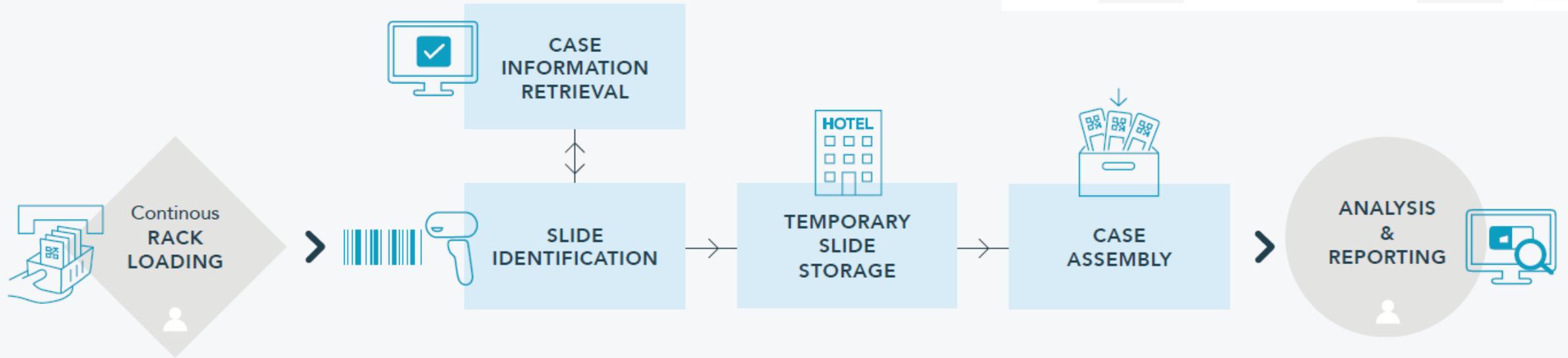
- All slides are inserted into Slide Manager after staining
- Instrument assembles slides from each individual patient case
- When case is completed, it's outputted ready for microscopy
- After microscopy slides are reinserted and Slide Manager Sorting / Archiving takes over

Benefits

- Free up hands and minds
- No patient case mix-ups
- No cases delayed
- Automatic alarm on missing slides



Slide Manager – Case Assembly



Slide Manager Introduction – a multipurpose instrument



Slide Manager Introduction – a multipurpose instrument



1. OPERATING ROOM/CLINIC



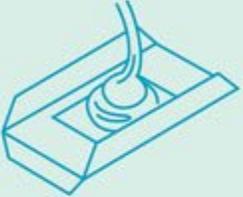
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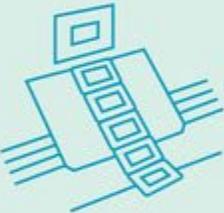
3. CASSETTE & SLIDE PRINTING



4. CRYOTOMY



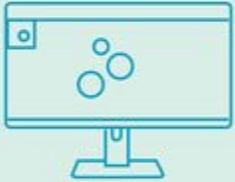
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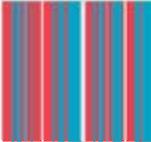
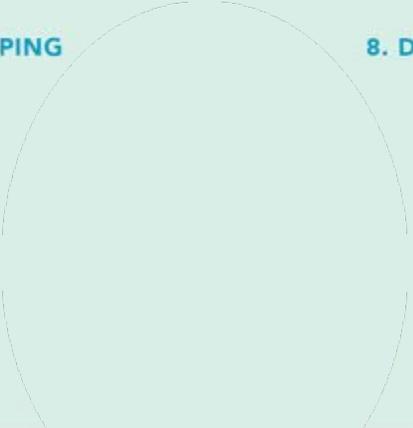
7. STAINING & COVERSLIPPING



8. DIGITAL SCANNING & AI



9. ARCHIVING



Slide Manager – Sorting / Archiving

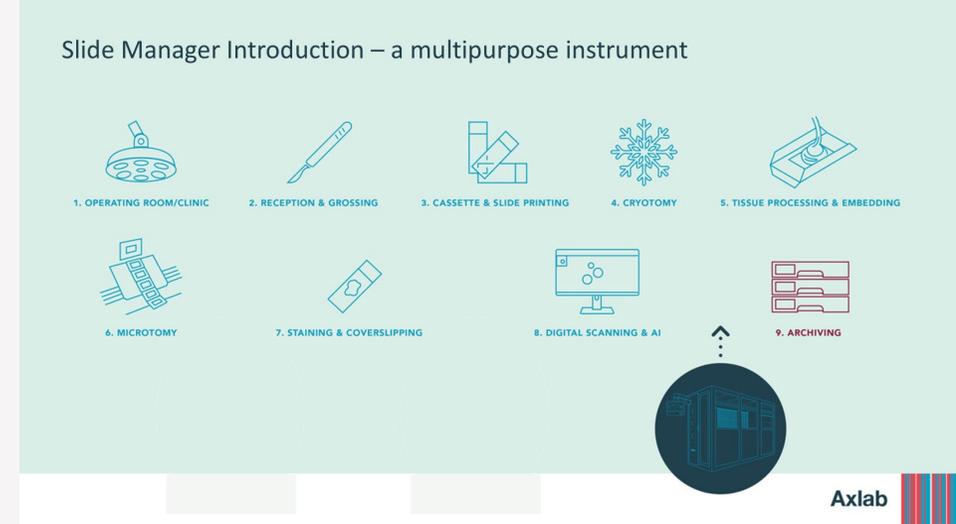
Automate slide handling, sorting and archiving

Workflow

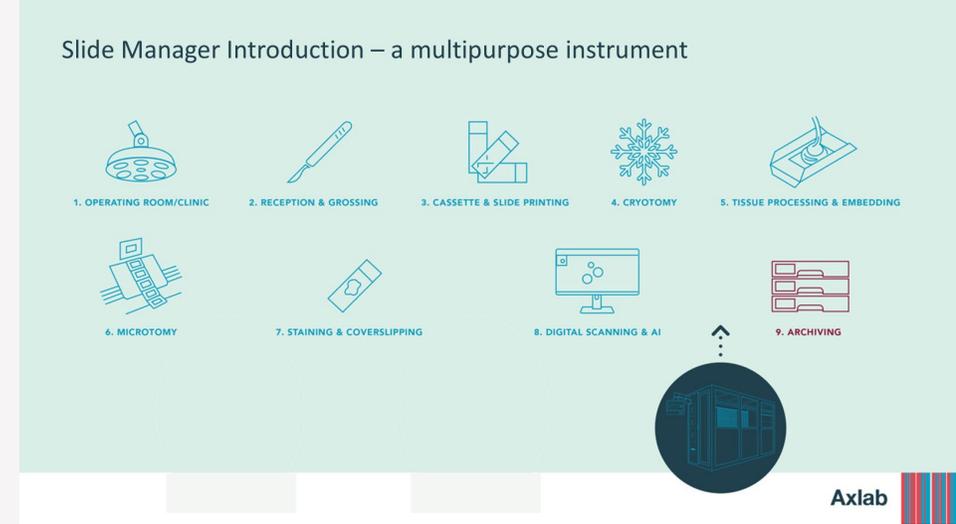
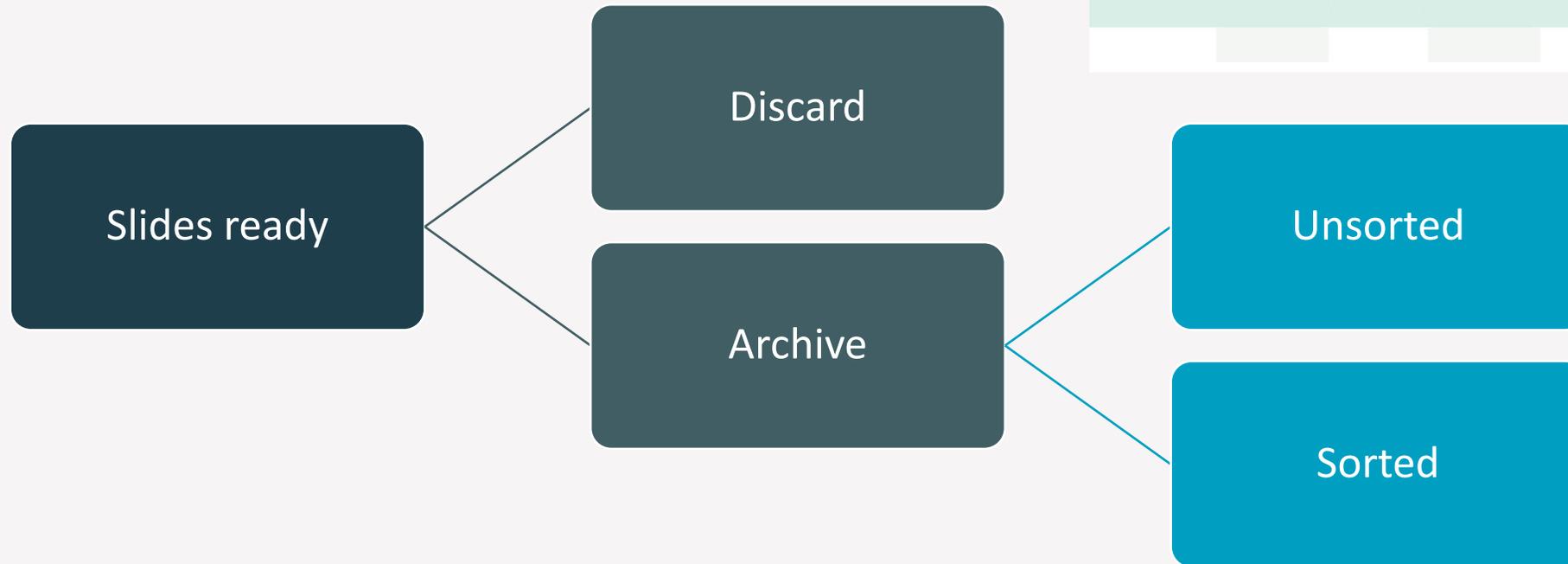
- Slides are scanned (digital lab) or examined under a microscope
- Slides are inserted into Slide Manager
- Slide Manager stores slides for a few weeks, before sorting and outputting for archiving

Benefits

- Free up hands and minds
- No mis-archived slides
- Easy and fast retrieval in the initial period



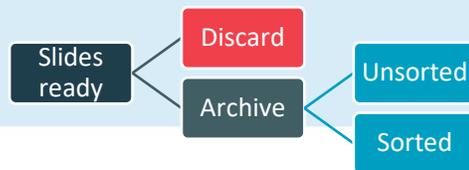
Sorting / Archiving – HOW?



Sorting / Archiving – HOW?

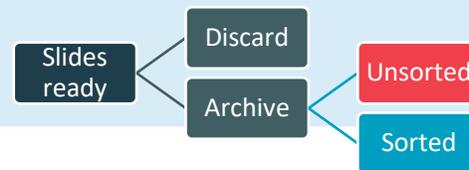
DISCARD

Discard slides



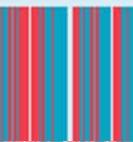
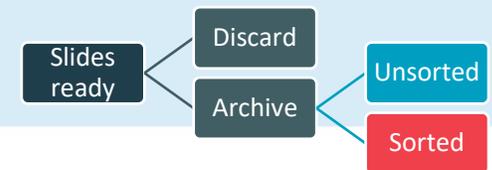
HYBRID

Archive slides



ARCHIVE

Archive slides organized



Slide Manager – Sorted archiving

Automate sorting and archiving duties

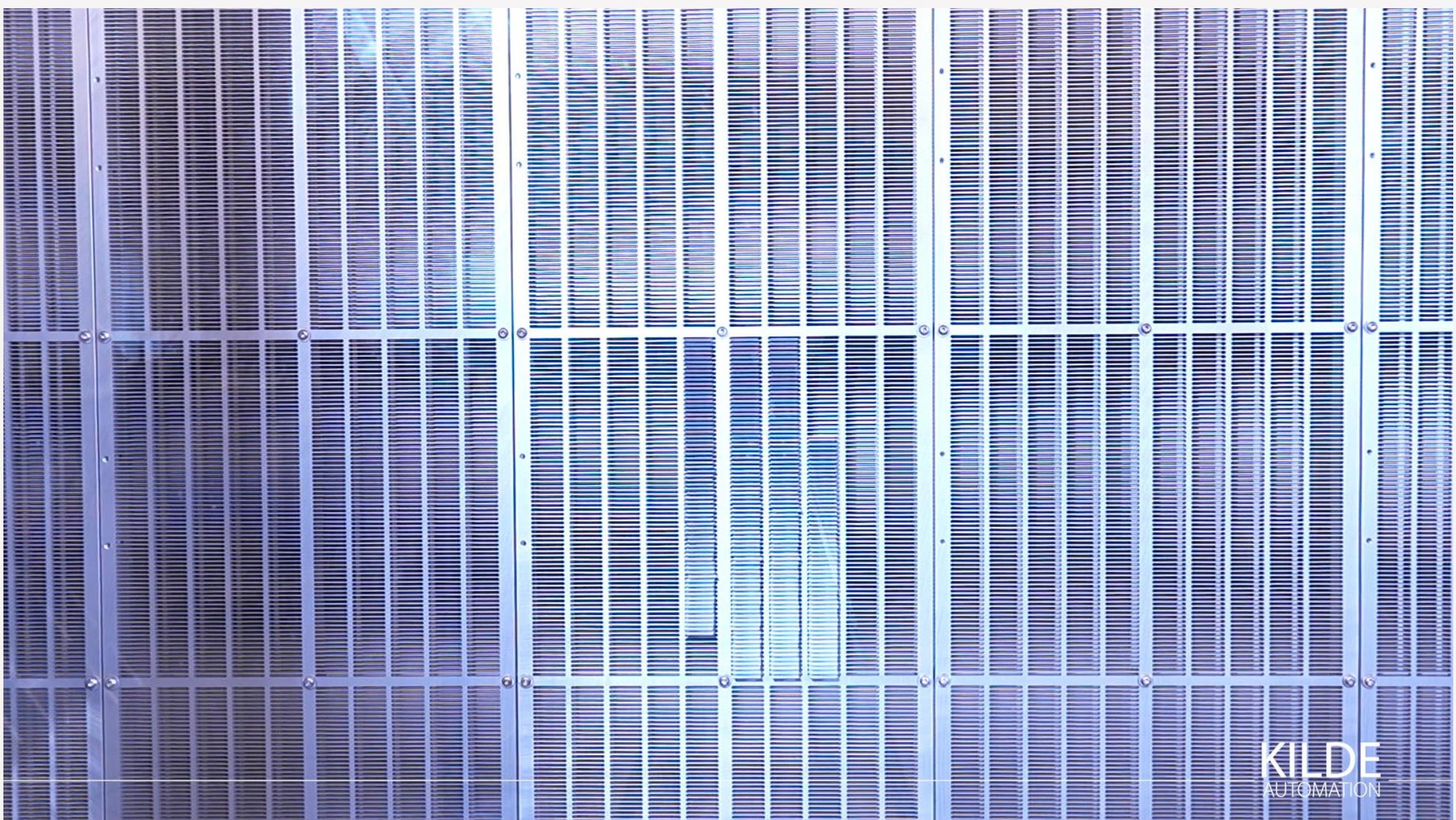
What does the Slide Manager actually do?

- Slides are stored randomly
 - Optimising storage capacity
- When it's time to archive
 - Slides are placed into racks (+200 slides pr. rack)
 - Sorted by
 - By patient case – all slides belonging to one patient
 - Numerically ascending (26-00001, 26-00002, 26-00003 etc.)

Benefits

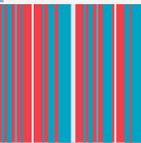
- Free up hands and minds
- No mis-archived slides
- Easy and fast retrieval in the initial period (x weeks)





KILDE
AUTOMATION

Axlab



Slide Manager – How to operate

Loading slides into the system

1. Open door – take out empty slide-baskets
2. Load new slide-baskets – close door
3. Walk away

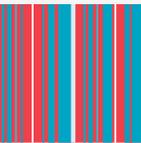


Retrieve a slide - manually

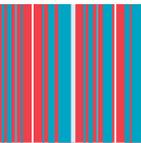
1. Scan barcode and wait a moment
2. Open door – retrieve requested slide
3. Walk away

Archiving

1. Open archiving door – take out full racks
2. Put in new / empty racks – close door
3. Walk away



Slide Manager – Modular construction



Slide Manager – Standard sizes

Archive 34.000

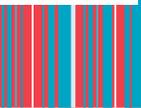
Glass slides: 34.320

Archive 24.000

Glass slides: 24.960

Archive 15.000

Glass slides: 15.600



Slide Manager – FAQ

Open system – Compatible scanners

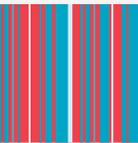
- 3DHitech
- Hamamatsu
- Leica
- Philips
- Olympus

Speed

- 280 slides pr. hour

24/7 operation

- Input and retrieve during the day
- Sort and archive by night



Slide Manager – QUESTIONS?



1. OPERATING ROOM/CLINIC



2. RECEPTION & GROSSING



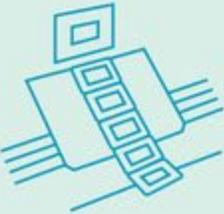
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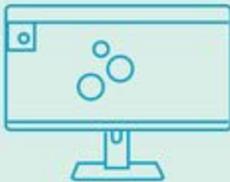
5. TISSUE PROCESSING & EMBEDDING



6. MICROTOMY



7. STAINING & COVERSLIPPING



8. DIGITAL SCANNING & AI



9. ARCHIVING



SLIDE REPOSITORY – UNSTAINED SLIDES



CASE ASSEMBLY



SORTING ARCHIVING

