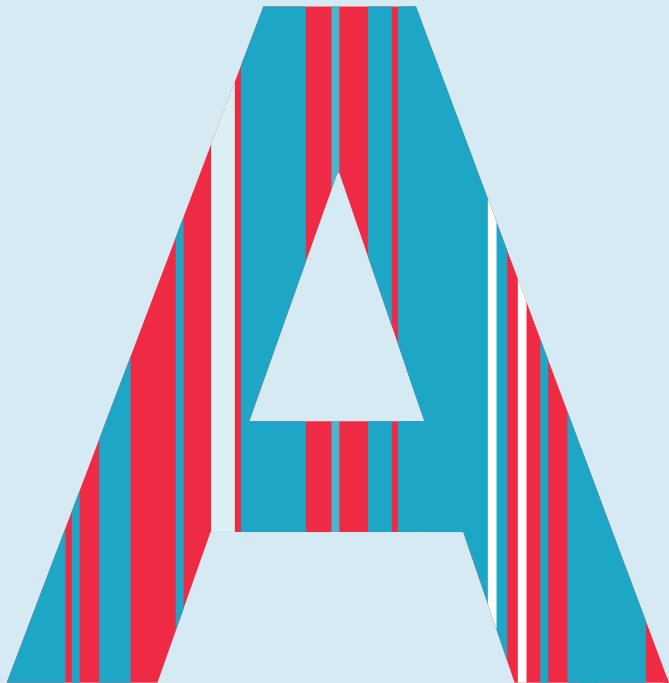


YOUR VISION.
OUR INSPIRATION

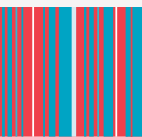
AXLAB | WRITE THE NAME OF THE PRESENTATION | OKTOBER 2025



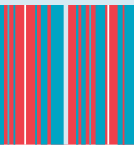


AGENDA

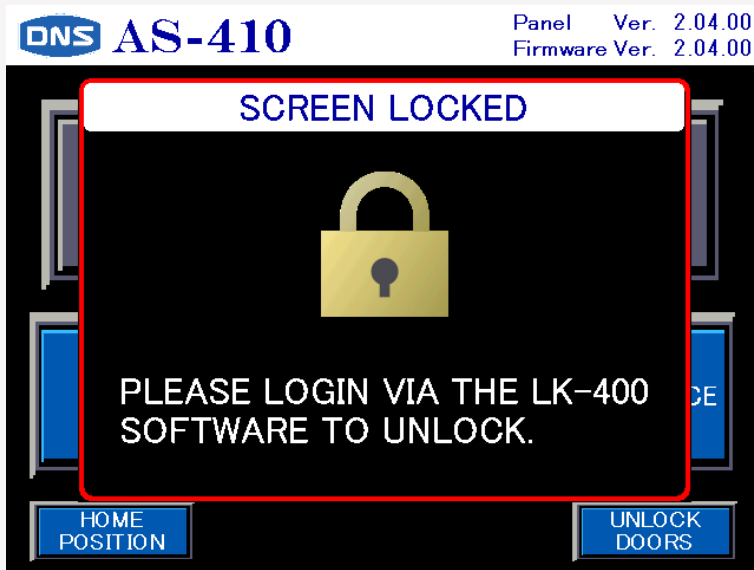
1. Software update 2.4.0
2. Polishprojekt



SW 2.4.0



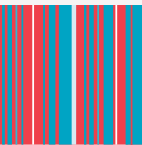
Log-in function.

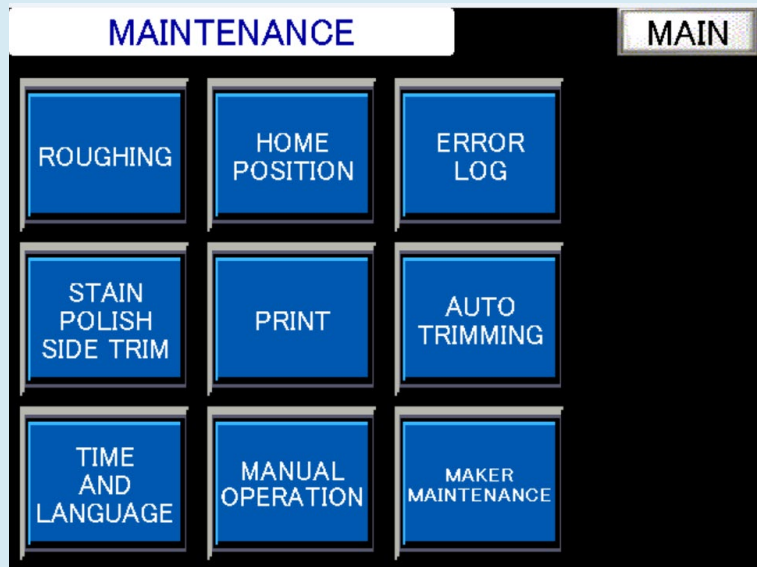


The AS-410M now supports User ID login functionality, enabling greater control and security.

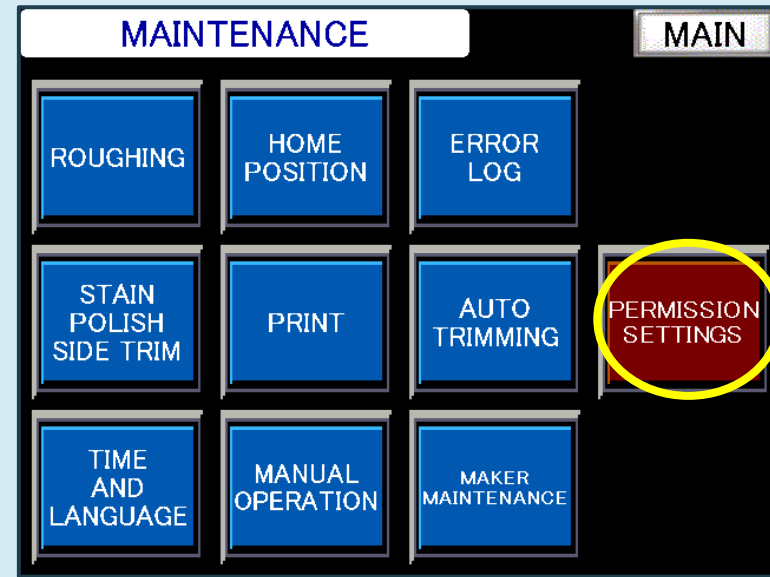
Key Features:

- Up to 10 Unique User IDs
Create and manage login credentials for up to 10 different users.
- Customizable Access Permissions
Define individual access levels and permissions for each user, allowing tailored control based on roles or responsibilities.



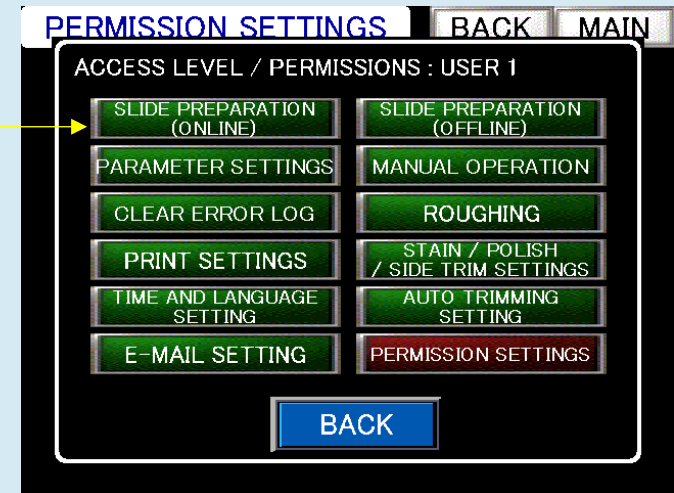
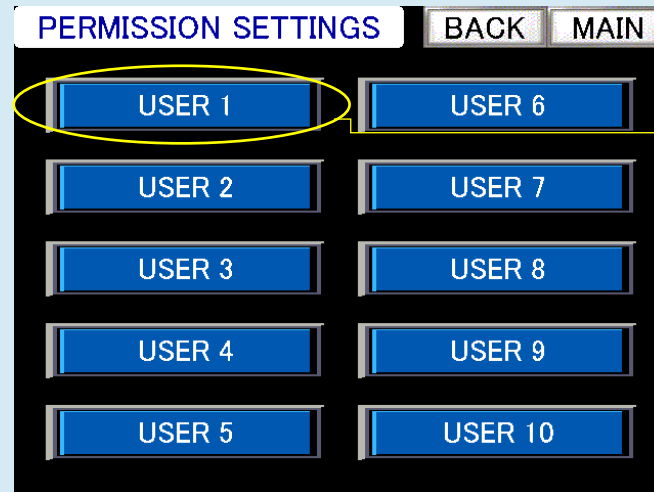


SW 2.3.0



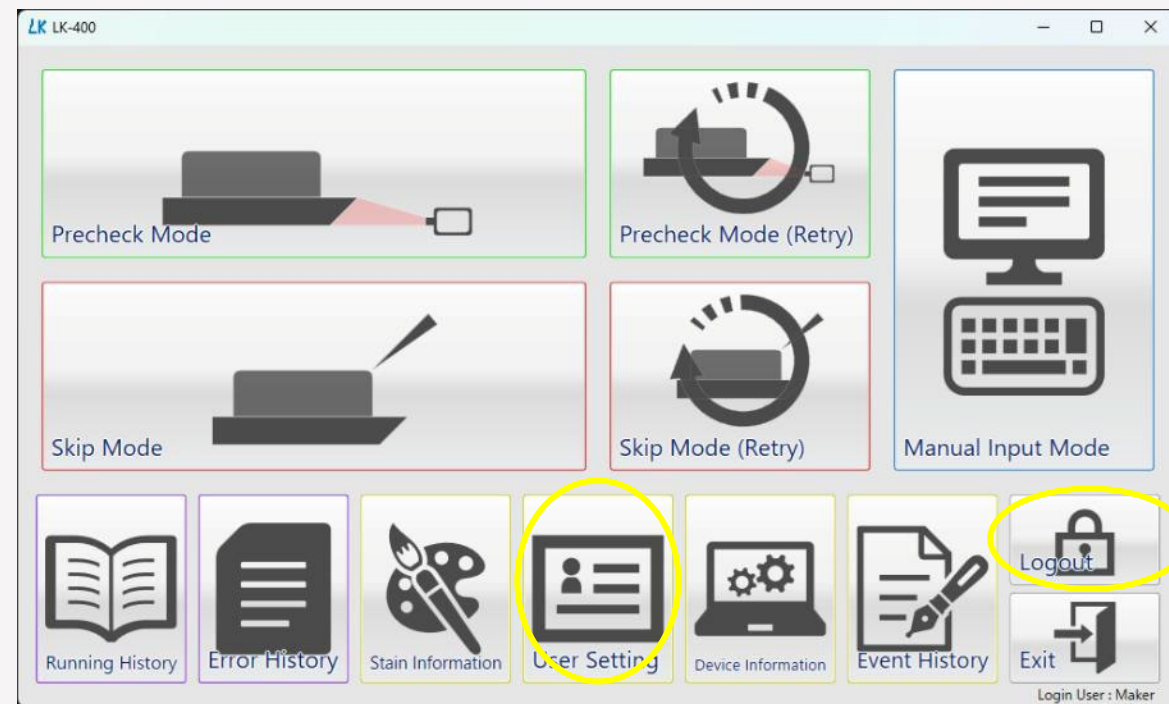
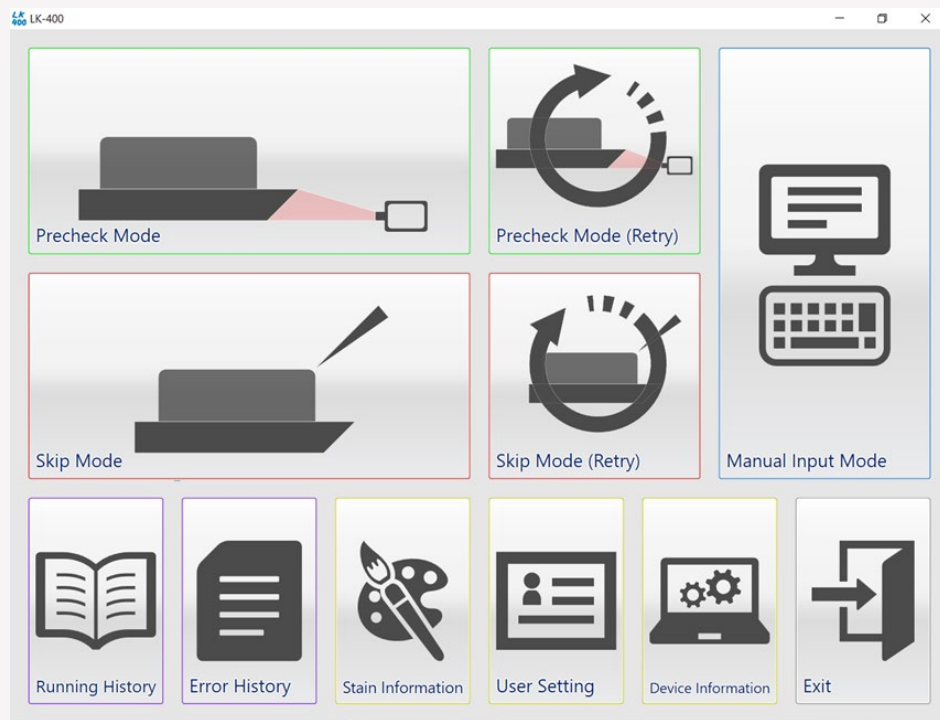
SW 2.4.0

Select the user

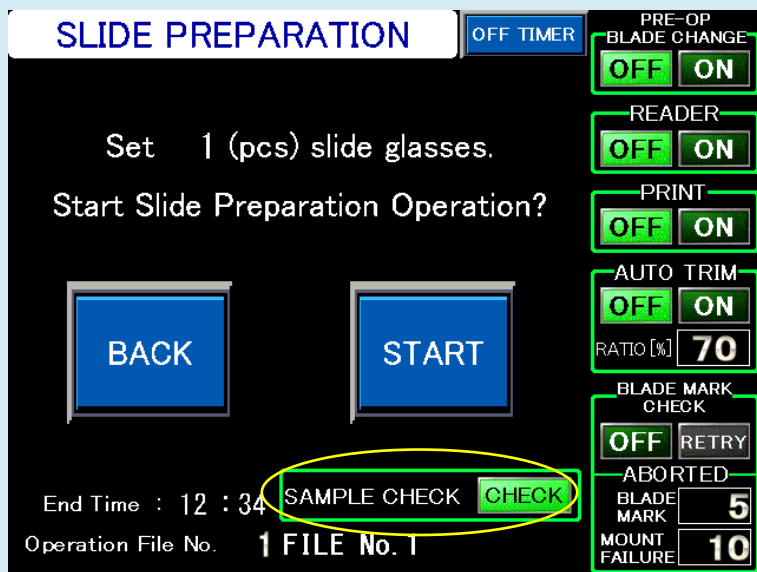


And select the level of permission

LK400 update



Deactivate Sample Check at Offline Operation.



Green CHECK: Sample will be checked

Yellow SKIP: Samples will not be checked.

Press to change between the two options.

The AS-410M is now allowing flexibility in offline operations.

What's Changed:

Before:

The unit automatically performed a sample block check to ensure that the selected blocks matched those placed on the trays before starting any offline slide preparation.

Now:

Users can bypass the block matching check, allowing the unit to begin offline slide preparation immediately—without verifying the block selection. If a selected position doesn't have a block, it would be skipped.

Blade Exchange During Operation

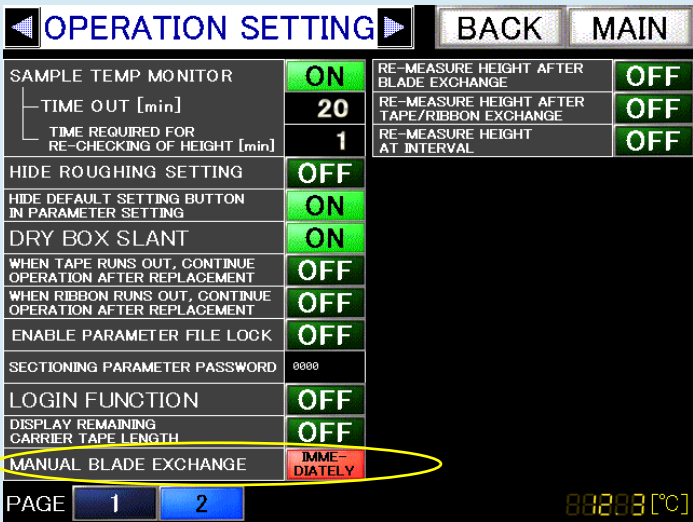
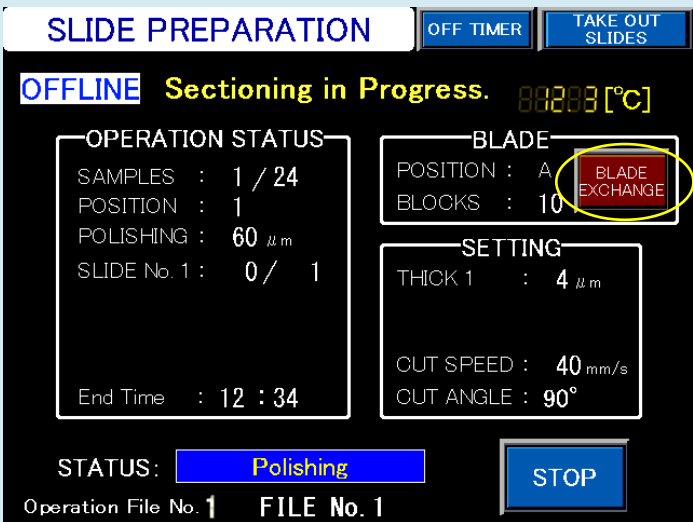
The system now supports **blade changes without stopping the overall operation**, giving users more control and flexibility.

New Blade Change Options:

You can now choose when the blade change should occur:

Immediate Change – The blade is replaced as soon as the command is given.

At Sample Change – The blade change is automatically triggered during the next sample switch, minimizing workflow interruption.



BLK Block Count Setting Method Changed.

The blade condition information is now presented in a more detailed and user-friendly way.

Now:

The interface shows exactly how many blocks have been processed with each blade.
It also displays the number of consecutive serial sections allowed per blade position.

“roughing is now included in the overall count of blocks used per blade”

Previously:

The display only showed basic indicators such as:

- BLK
- BLK (R)
- Sections per blade position

The screenshot displays the 'PARAMETER SETTING' screen with a 'SELECTED FILE' section showing 'FILE No. 1'. Below this are two tables: 'SECTIONING CONDITION' and 'BLADE CONDITION'. The 'BLADE CONDITION' table has a yellow circle around the 'Blocks per Blade Position' row, which shows a value of 6. To the right of the tables are buttons for 'MOUNT SETTING', 'SAVE', and 'Small Size' (set to OFF).

SECTIONING CONDITION	
Thickness (μ m)	3 4 5 6 7 8 9 10
Cut Speed 1 (mm/s)	25 25 25 25 25 25 25 25
Cut Speed 2 (mm/s)	40 40 40 40 40 40 40 40
Tape Speed (%)	92 94 95 96 98 100 102 105
Humidify Time (sec)	0.5 2.0 3.0 3.0 3.0 4.0 4.0 4.0
Extension Time (sec)	20 25 30 35 40 40 40 40

BLADE CONDITION	
Cut Angle ($^{\circ}$)	90 60
Blocks per Blade Position	6
Serial Sections per Blade Position	100

MOUNT SETTING

SAMPLE BLOCK SIZE

Small Size OFF ON

SAVE

Bugfixes: Bug Fix for Slide Number Printing Start Value Setting and Bug Fix for Online Interval Blade Exchange Function.

PRINT CONTENT SETTING **BACK** **MAIN**

ONLINE **OFFLINE** **PRINT**

LINE 1	ONLINE LINE 1	ON
LINE 2	ONLINE LINE 2	ON
LINE 3	ONLINE LINE 3	ON
LINE 4	ONLINE LINE 4	ON
LINE 5	ONLINE LINE 5	ON
LINE 6	ONLINE LINE 6	ON

STARTING NO. FOR SLIDE NO. PRINTING **1**

STAIN/POLISH/SIDE TRIM **BACK** **MAIN**

STAIN	
STAIN NAME	THICKNESS [μ m]
RE	4
PGR	4
HER2	4
KI-67	4
PAS	4
PAM	3
EVG	6
GIMZA	5
D2-40	4
VB-HE	4

POLISHING	
1st POLISHING THICKNESS [μ m]	10
2nd POLISHING MAX THICKNESS [μ m]	9
2nd POLISHING MIN THICKNESS [μ m]	4
2nd POLISHING [PCS]	99

SIDE TRIM

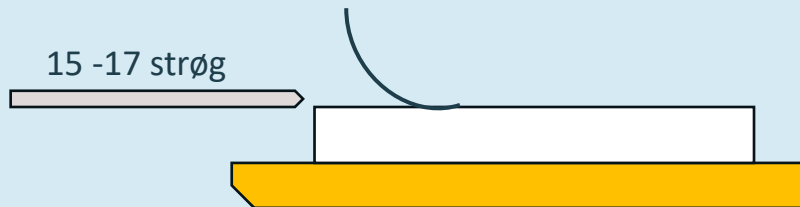
OFF **ON**

ONLINE INTERVAL BLADE CHANGE

OFF **ON**

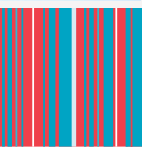
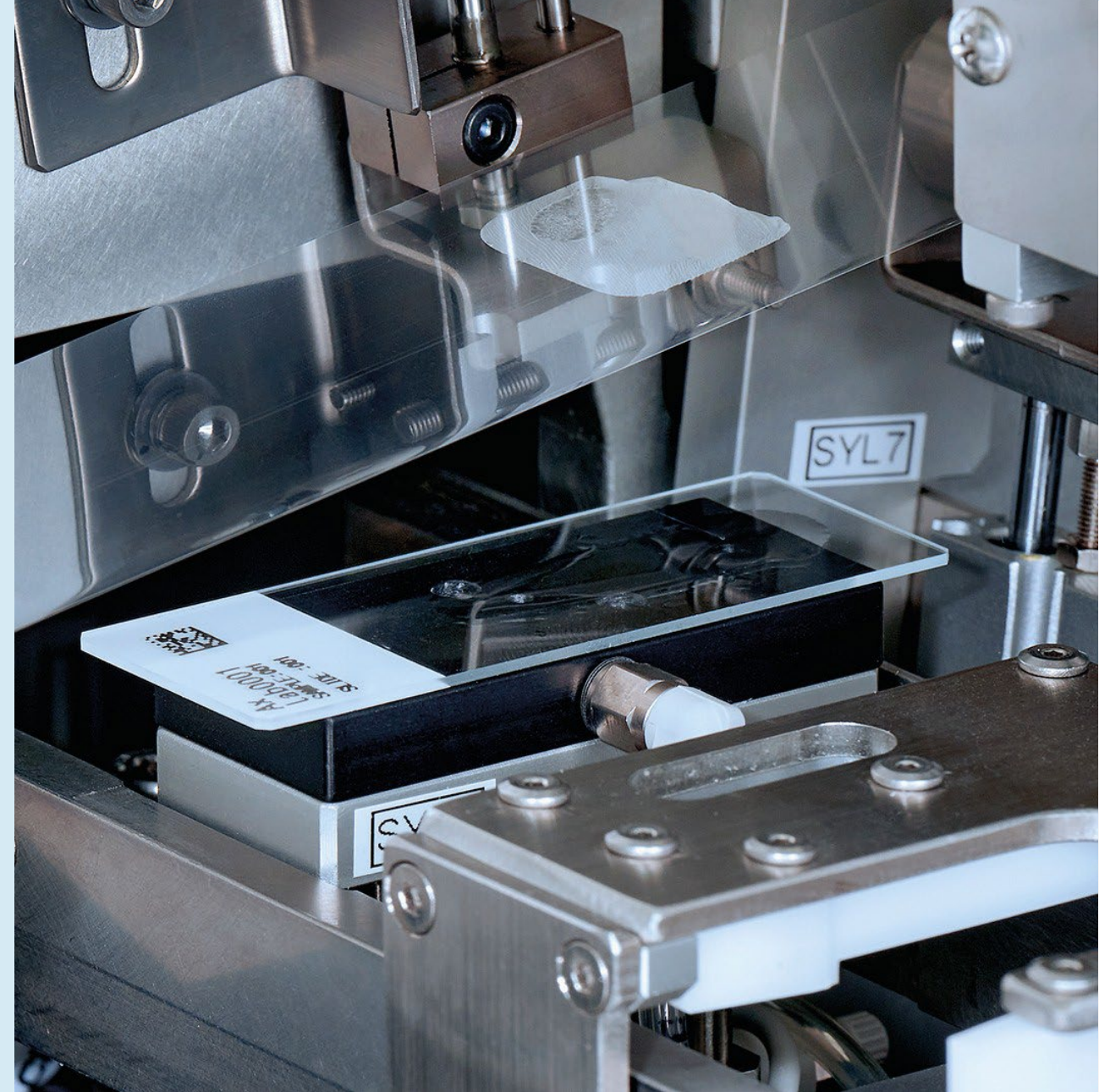
Polish settings på AS-410M

"De antal μm som det kræver at tilpasse blok og kniv"



Typiske værdi ligger omkring 80-100 μm

Afhængig af værdien er dette ofte 15-17 knivstrøg.



De tre test sites:



Riget

- Polish værdi: 80 μ m
- 2nd polish max 7 μ m
- Tid for 24 blokke: 1t



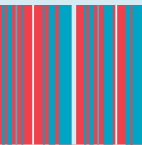
Herlev

- Polish værdi: 80-90 μ m
- 2nd polish max 7 μ m
- Tid for 24 blokke: 1t



Skejby

- Polish værdi: 100 μ m
- 2nd polish max 12 μ m
- Tid for 24 blokke: 1t



POLISH SETTING

HUMIDIFY PASS [PCS]	4
TIME MATCHING [PCS]	3
TAPE[PCS]	4
THICKNESS [PCS]	4
2nd POLISHING [PCS]	99
TIME MATCHING WAIT TIME [sec]	30
WAIT TIME [sec] ~3 PCS/SAMPLE	0. 2
DUAL SLIDE MOUNTING TIME MATCHING [sec]	35
1st POLISHING THICKNESS [μm]	10
2nd POLISHING MAX THICKNESS [μm]	7
2nd POLISHING MIN THICKNESS [μm]	3
ADD THICKNESS [μm]	2
MAX POLISHING [μm]	150
BLOW INTERVAL	4

BACK

MAIN

HUMIDIFY
PASSING

OFF

ON

Eksempel før justering.

POLISH SETTING

HUMIDIFY PASS [PCS]	4
TIME MATCHING [PCS]	3
TAPE[PCS]	4
THICKNESS [PCS]	6
2nd POLISHING [PCS]	99
TIME MATCHING WAIT TIME [sec]	30
WAIT TIME [sec] ~3 PCS/SAMPLE	0. 2
DUAL SLIDE MOUNTING TIME MATCHING [sec]	35
1st POLISHING THICKNESS [μm]	10
2nd POLISHING MAX THICKNESS [μm]	10
2nd POLISHING MIN THICKNESS [μm]	3
ADD THICKNESS [μm]	2
MAX POLISHING [μm]	150
BLOW INTERVAL	4

BACK

MAIN

HUMIDIFY
PASSING

OFF

ON

Eksempel efter justering.

Antallet af steps afhænger af tykkelsen.

PolishCut No.01 Thickness = 5[μm] (2nd Polishing)
PolishCut No.02 Thickness = 5[μm] (2nd Polishing)
PolishCut No.03 Thickness = 5[μm] (2nd Polishing)
PolishCut No.04 Thickness = 5[μm] (2nd Polishing)
PolishCut No.05 Thickness = 5[μm] (2nd Polishing)
PolishCut No.06 Thickness = 5[μm] (2nd Polishing)
PolishCut No.07 Thickness = 5[μm] (2nd Polishing)
PolishCut No.08 Thickness = 5[μm] (2nd Polishing)
PolishCut No.09 Thickness = 5[μm] (2nd Polishing)
PolishCut No.10 Thickness = 5[μm] (2nd Polishing)
PolishCut No.11 Thickness = 5[μm] (2nd Polishing)
PolishCut No.12 Thickness = 6[μm] (MakingThickness+Additional Polishing)
PolishCut No.13 Thickness = 4[μm] (MakingThickness Polishing)
PolishCut No.14 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.15 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.16 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.17 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>

PolishCut No.01 Thickness = 7[μm] (2nd Polishing)
PolishCut No.02 Thickness = 7[μm] (2nd Polishing)
PolishCut No.03 Thickness = 7[μm] (2nd Polishing)
PolishCut No.04 Thickness = 7[μm] (2nd Polishing)
PolishCut No.05 Thickness = 7[μm] (2nd Polishing)
PolishCut No.06 Thickness = 7[μm] (2nd Polishing)
PolishCut No.07 Thickness = 7[μm] (2nd Polishing)
PolishCut No.08 Thickness = 7[μm] (2nd Polishing)
PolishCut No.09 Thickness = 6[μm] (MakingThickness+Additional Polishing)
PolishCut No.10 Thickness = 4[μm] (MakingThickness Polishing)
PolishCut No.11 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.12 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.13 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.14 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>

PolishCut No.01 Thickness = 10[μm] (2nd Polishing)
PolishCut No.02 Thickness = 10[μm] (2nd Polishing)
PolishCut No.03 Thickness = 10[μm] (2nd Polishing)
PolishCut No.04 Thickness = 10[μm] (2nd Polishing)
PolishCut No.05 Thickness = 10[μm] (2nd Polishing)
PolishCut No.06 Thickness = 6[μm] (2nd Polishing)
PolishCut No.07 Thickness = 6[μm] (MakingThickness+Additional Polishing)
PolishCut No.08 Thickness = 4[μm] (MakingThickness Polishing)
PolishCut No.09 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.10 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.11 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.12 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>

PolishCut No.01 Thickness = 14[μm] (2nd Polishing)
PolishCut No.02 Thickness = 14[μm] (2nd Polishing)
PolishCut No.03 Thickness = 14[μm] (2nd Polishing)
PolishCut No.04 Thickness = 14[μm] (2nd Polishing)
PolishCut No.05 Thickness = 6[μm] (MakingThickness+Additional Polishing)
PolishCut No.06 Thickness = 4[μm] (MakingThickness Polishing)
PolishCut No.07 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.08 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.09 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>
PolishCut No.10 Thickness = 4[μm] (MakingThickness Polishing) <Tape Mount>

2nd polish max
from 5μm → 7μm
Saves 3 polish
steps

2nd polish max from
5μm → 14μm
Saves 7 polish
steps

Hvad hvis vi kunne reducere disse steps?

Riget

- Polish værdi: 80 μ m
- 2nd polish max: 7 μ m
- Tid for 24 blokke: 1t og 1m

Ændringer:

- 2nd polish max: 10 μ m
- Tid for 24 blokke: 50-55min

Herlev

- Polish værdi: 80-90 μ m
- 2nd polish max: 7 μ m
- Tid for 24 blokke: 1t

Ændringer:

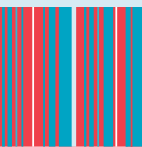
- 2nd polish max: 14 μ m
- Tid for 96 blokke: 23min reducering.
- SNMAM: 3 \rightarrow 4 blokke i timen.
- SNM: 2 \rightarrow 3 blokke i timen

Skejby

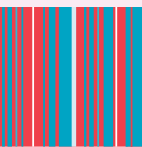
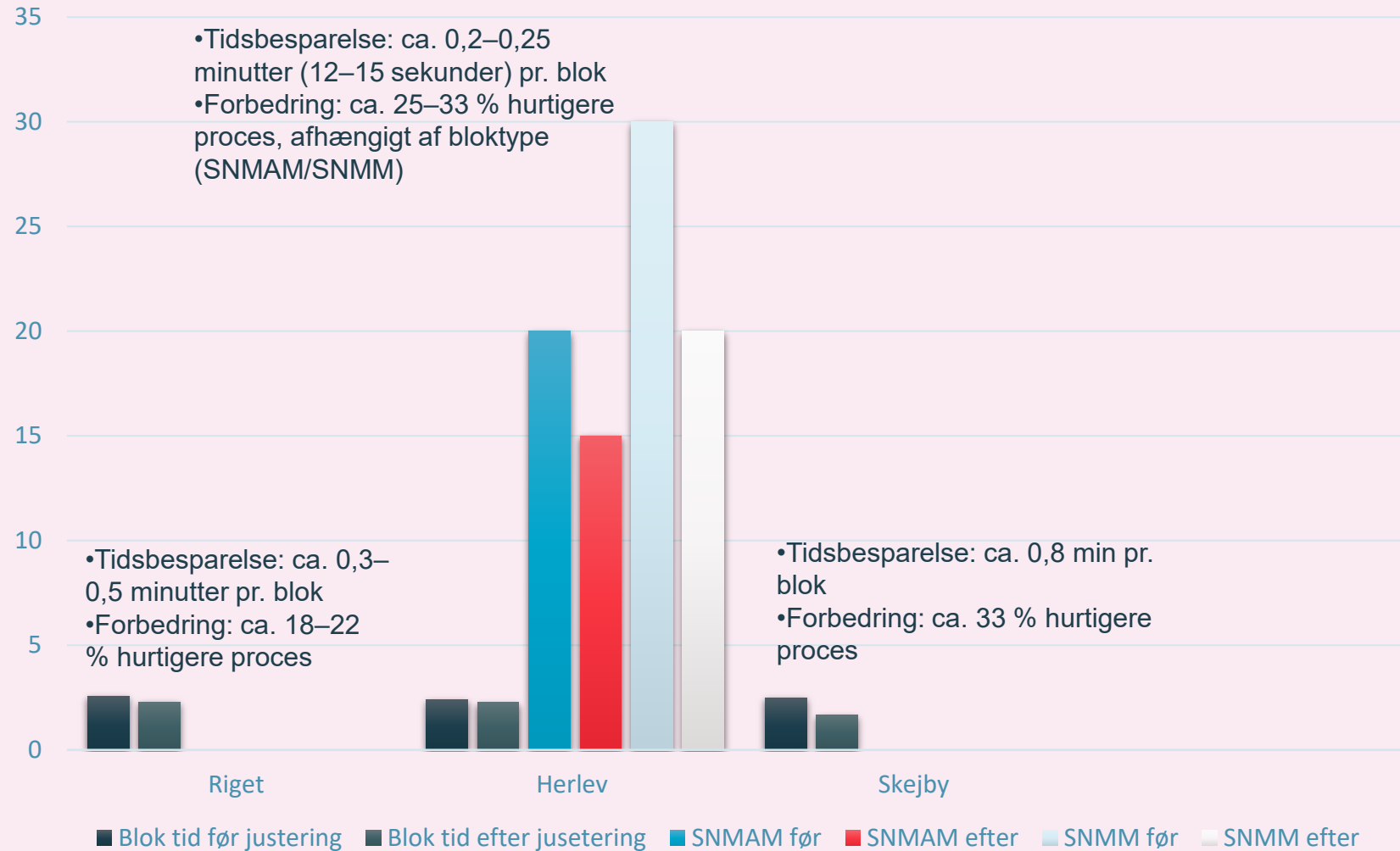
- Polish værdi: 100 μ m
- 2nd polish max: 12 μ m
- Tid for 24 blokke: 1t

Ændringer:

- 2nd polish max: 14 μ m
- Polish værdi fra 100 μ m \rightarrow 80 μ m.
- Tid for 2 trays: 1,33 time ca.



Procesforbedring pr. blok efter optimering



Hvad skal vi huske på.

- **2nd polish max**

Undgå at sætte for højt, så vacuum-systemet ikke kan følge med.

- **Snit- og vævskvalitet**

Sørg for, at ændringer i polish ikke påvirker vævet negativt eller kompromitterer snitkvaliteten.

- **Konsistens i snittykkelse**

Når trinnene gøres grovere, skal man sikre, at flere snit har samme tykkelse.

- **Fokus på kvalitet frem for hastighed**

Husk, at AS-410M er primært associeret med kvalitet, ikke hastighed.

