

Status of the Assembly station and Bucatini Prototype for next Beam Test

Aneliya , Valery, Željko et al.
Ruder Boskovic Institute, Zagreb, Croatia



July 10th 2020

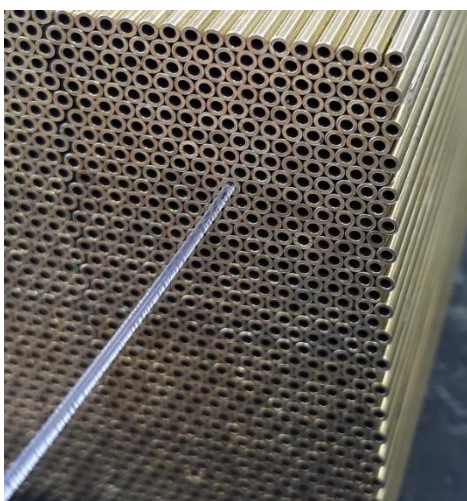
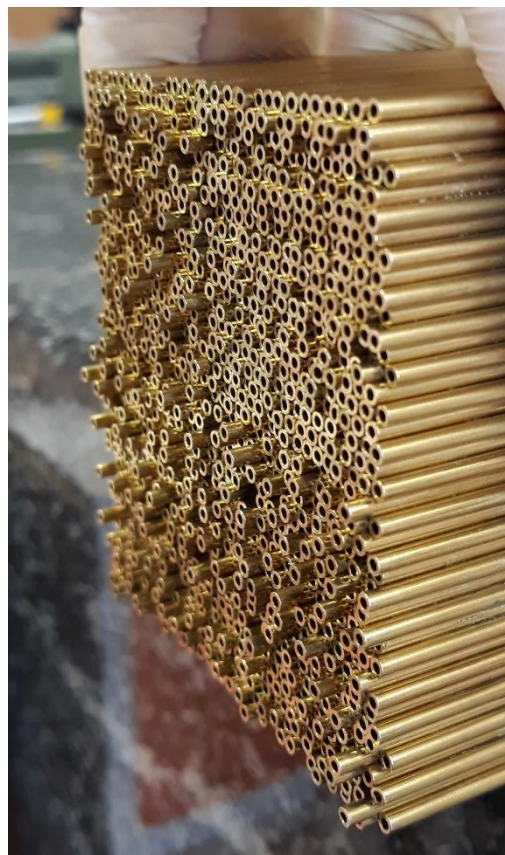
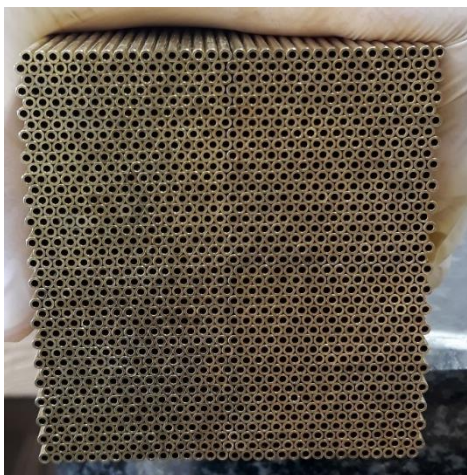


CDSE
Center for Defense Systems Education

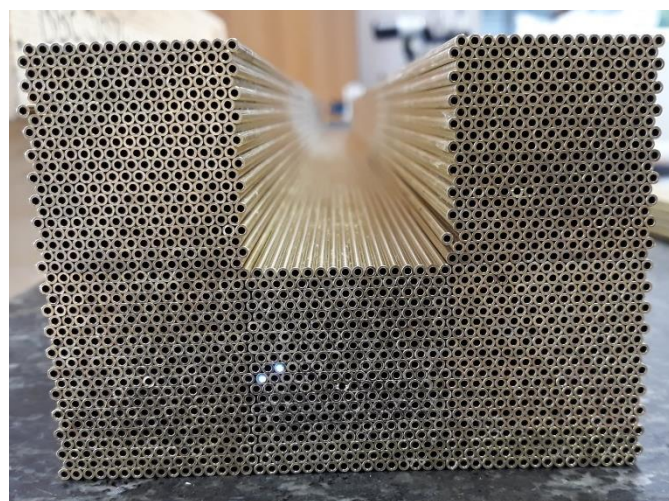
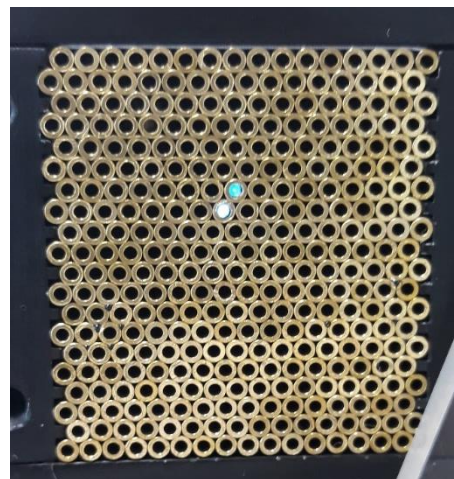
Status since July 1st



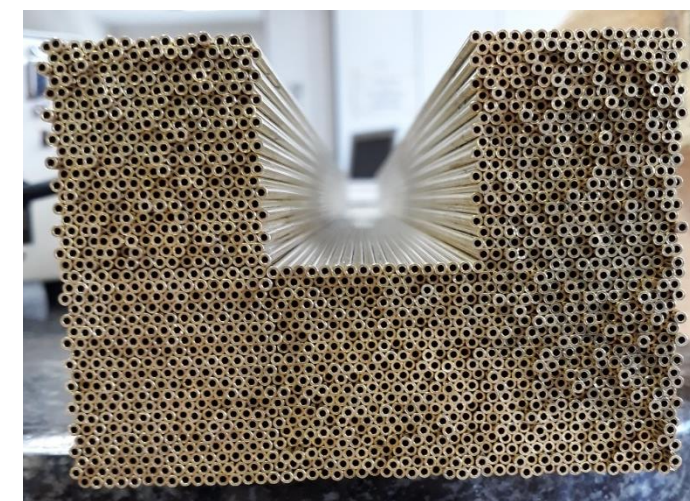
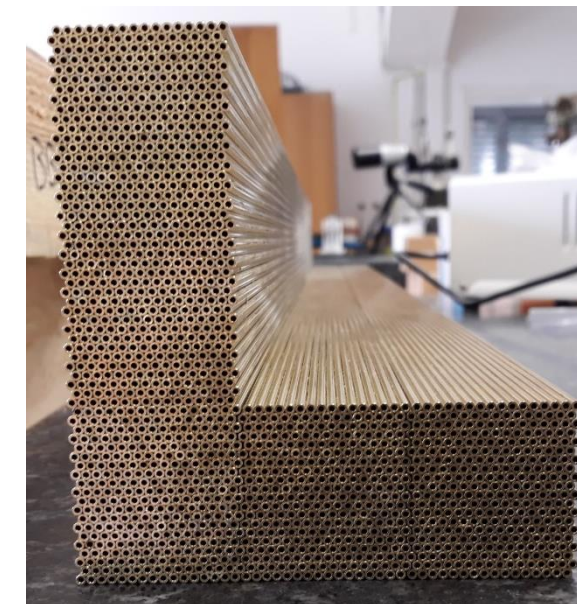
2 x 2 - 1 m Long Modules



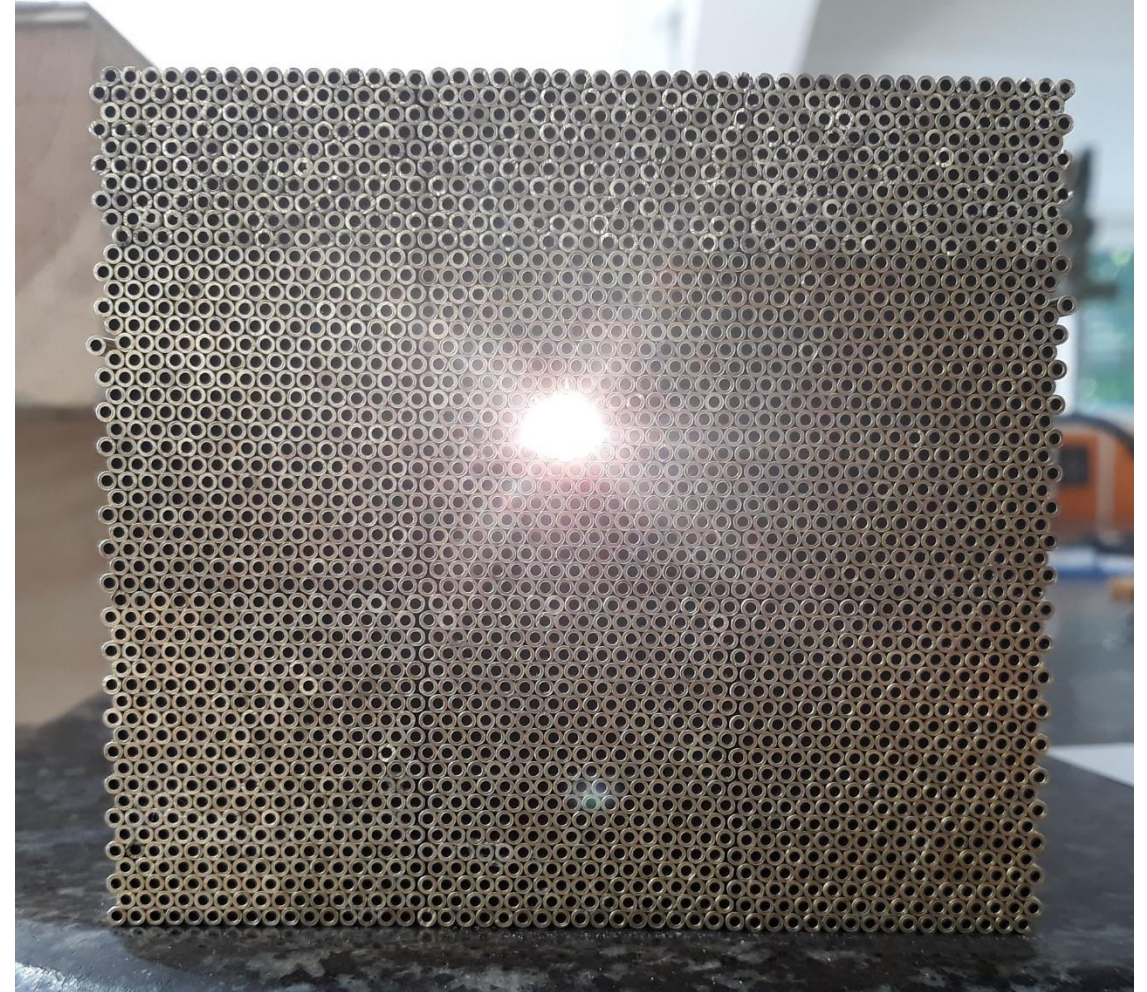
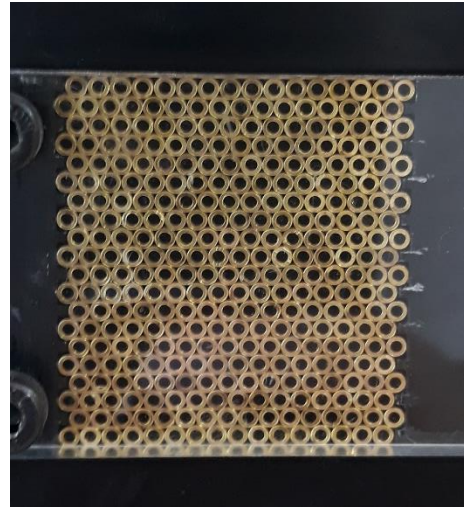
3 x 2 - 1 m Long Modules



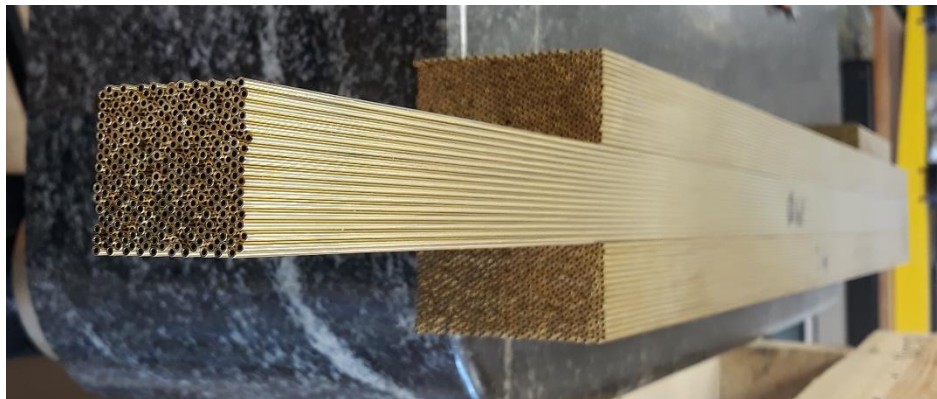
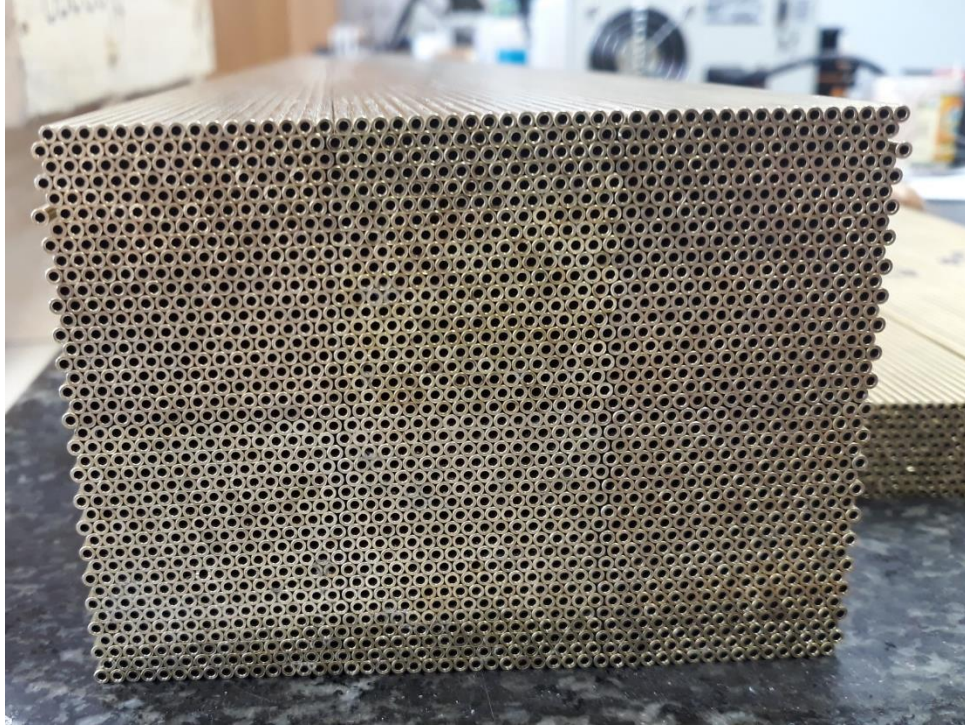
July 10th 2020



The construction of the long Module

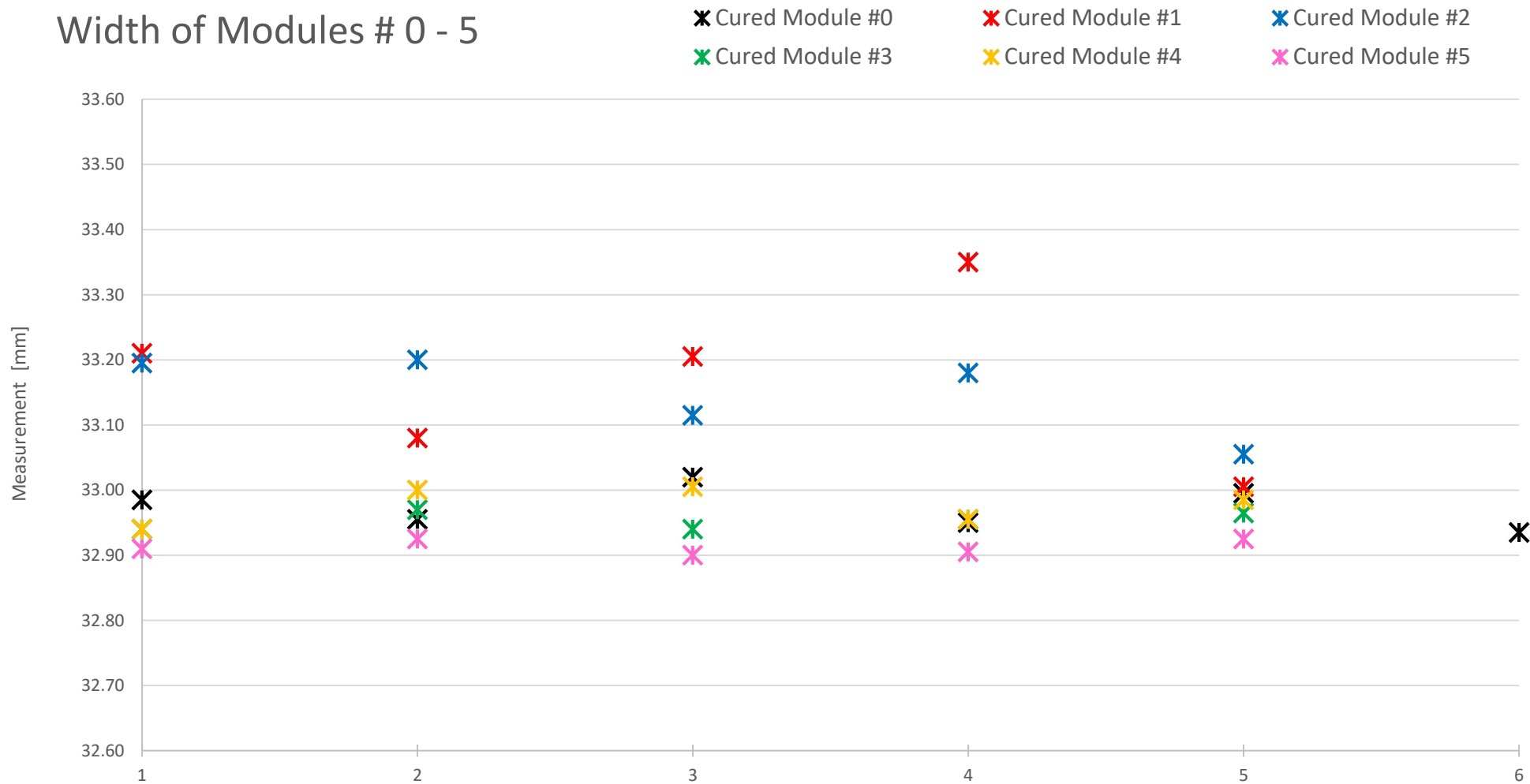


The construction of the long Module

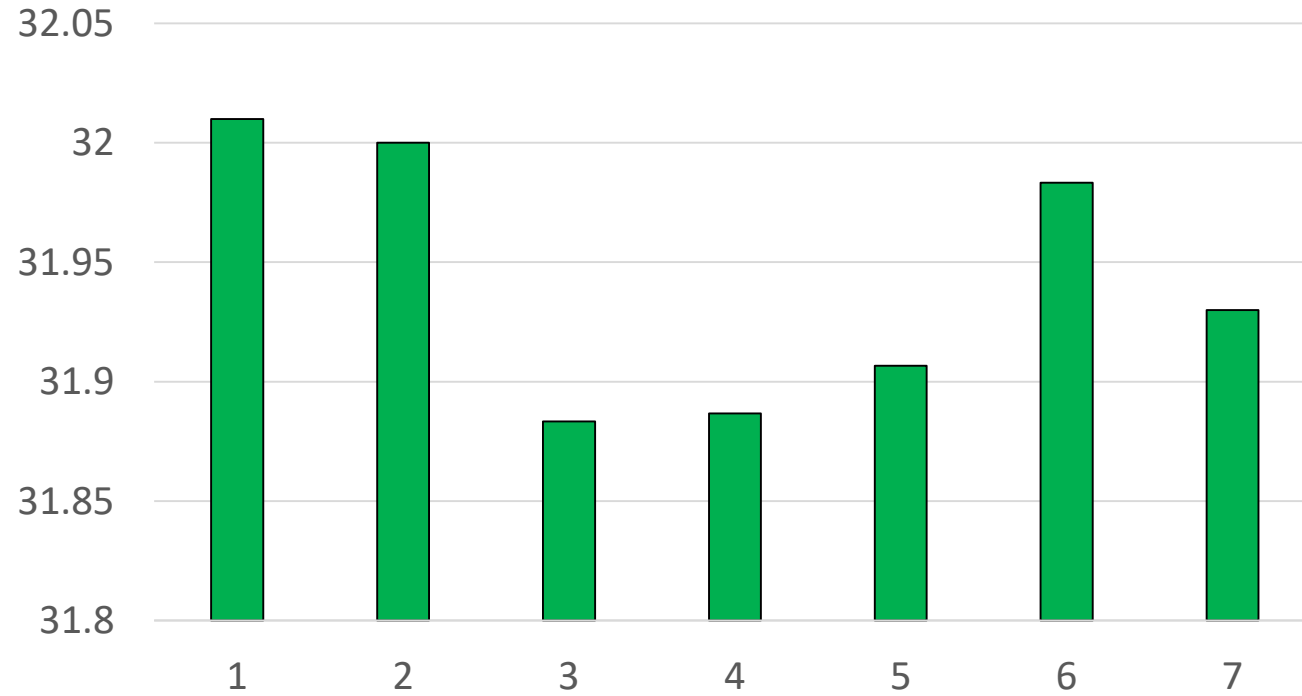


July 10th 2020

Width of Modules # 0 - 5

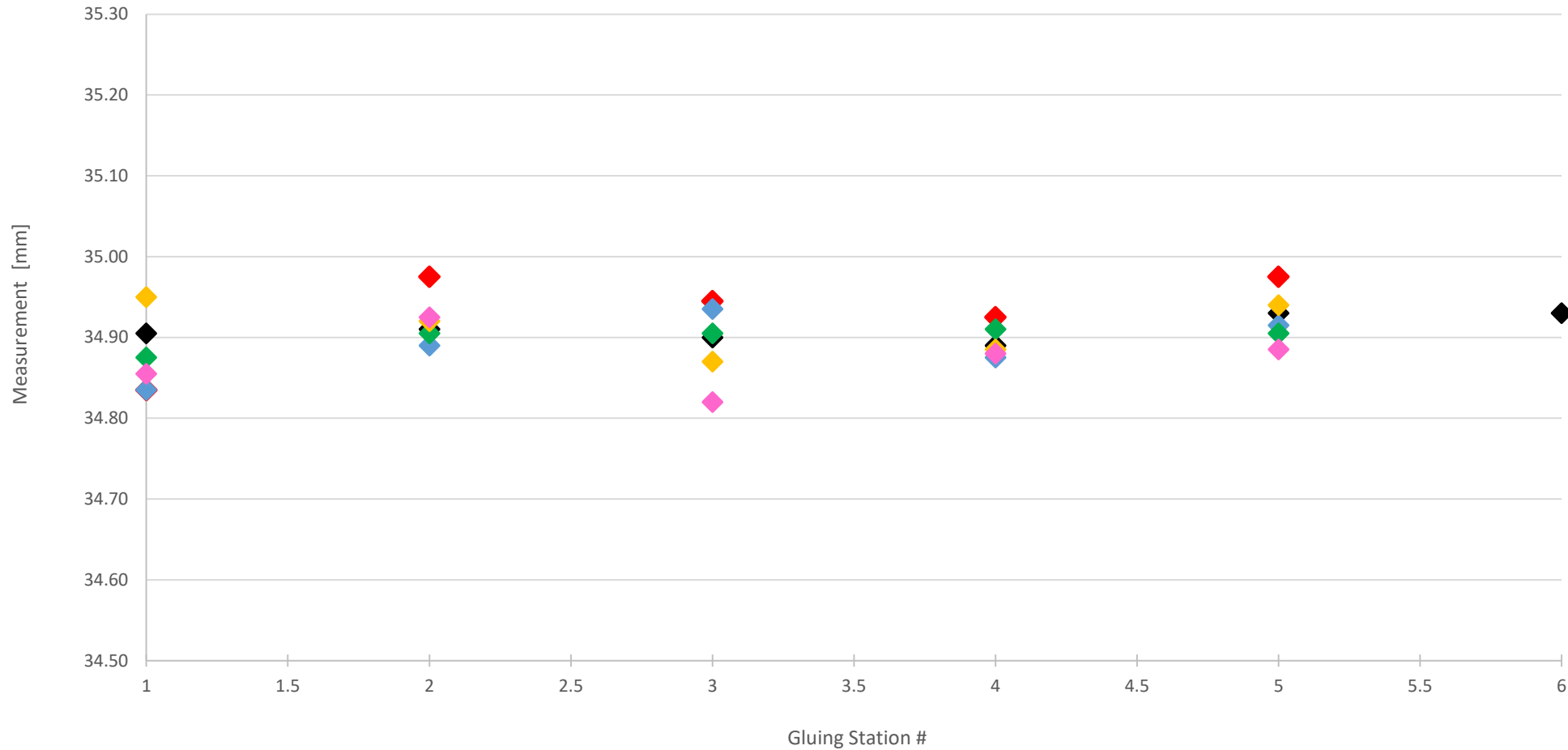


Width of 16 tubes in each Package

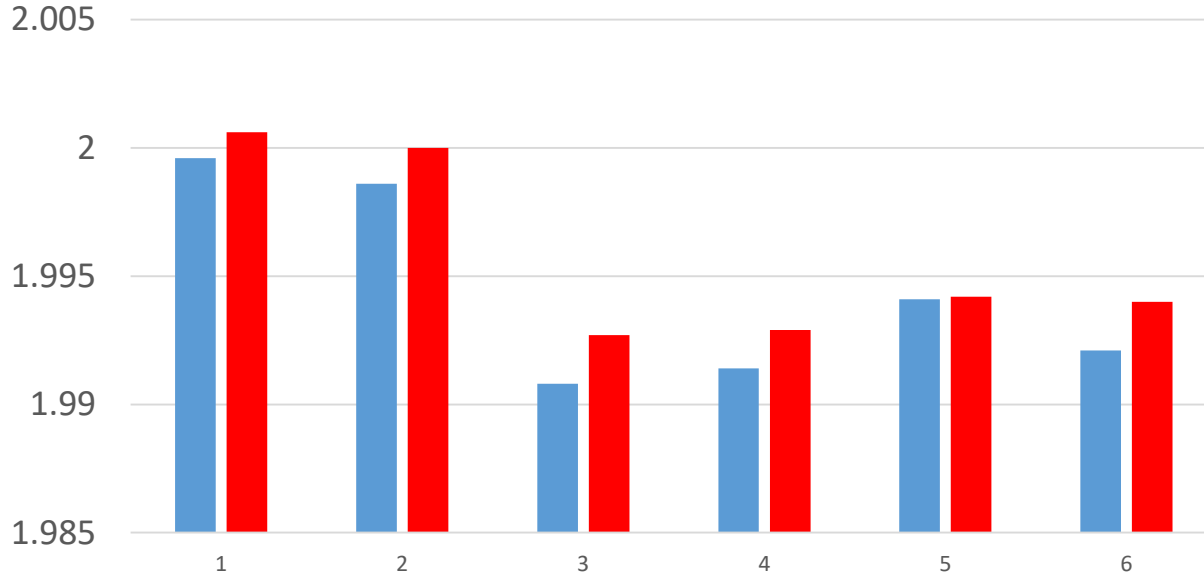


Height Module # 0 - 5

- ◆ Cured Module #0
- ◆ Cured Module #1
- ◆ Cured Module #2
- ◆ Cured Module #3
- ◆ Cured Module #4
- ◆ Cured Module #5



Single tube



[Results](#) presented on 21st of Feb 2020

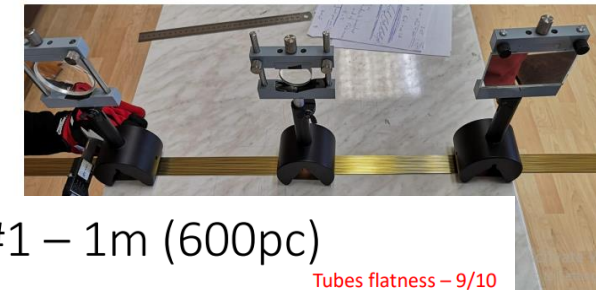
Package #1 - Tubes flatness – 9/10 ; Fiber test – 8/10

Package #2 - Tubes flatness – 8/10 ; Fiber test – 8/10

Preparation for measurements

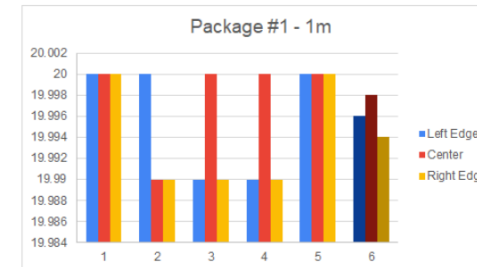


- 2 micrometer screws – 0.01 mm
- Calibration box 0.5 – 100 mm
- 1 digital caliper



Measurements – Package #1 – 1m (600pc)

Tubes flatness – 9/10
Fiber test – 8/10



Measurement of 10 tubes			
#	L	C	R
1	20	20	20
2	20	19.99	19.99
3	19.99	20	19.99
4	19.99	20	19.99
5	20	20	20
AVR	19.996	19.998	19.994
STD	0.00548	0.00447	0.00548

[Click me!](#)

50 tubes

	AVR	Single tube
OD 10	19.996	1.9996
OD 16	32.01	2.0006

Measurement of 16 tubes			
#	L	C	R
1	32.01	32.01	32.01

Activate Window
Go to Settings to act

What is next?

