

2024



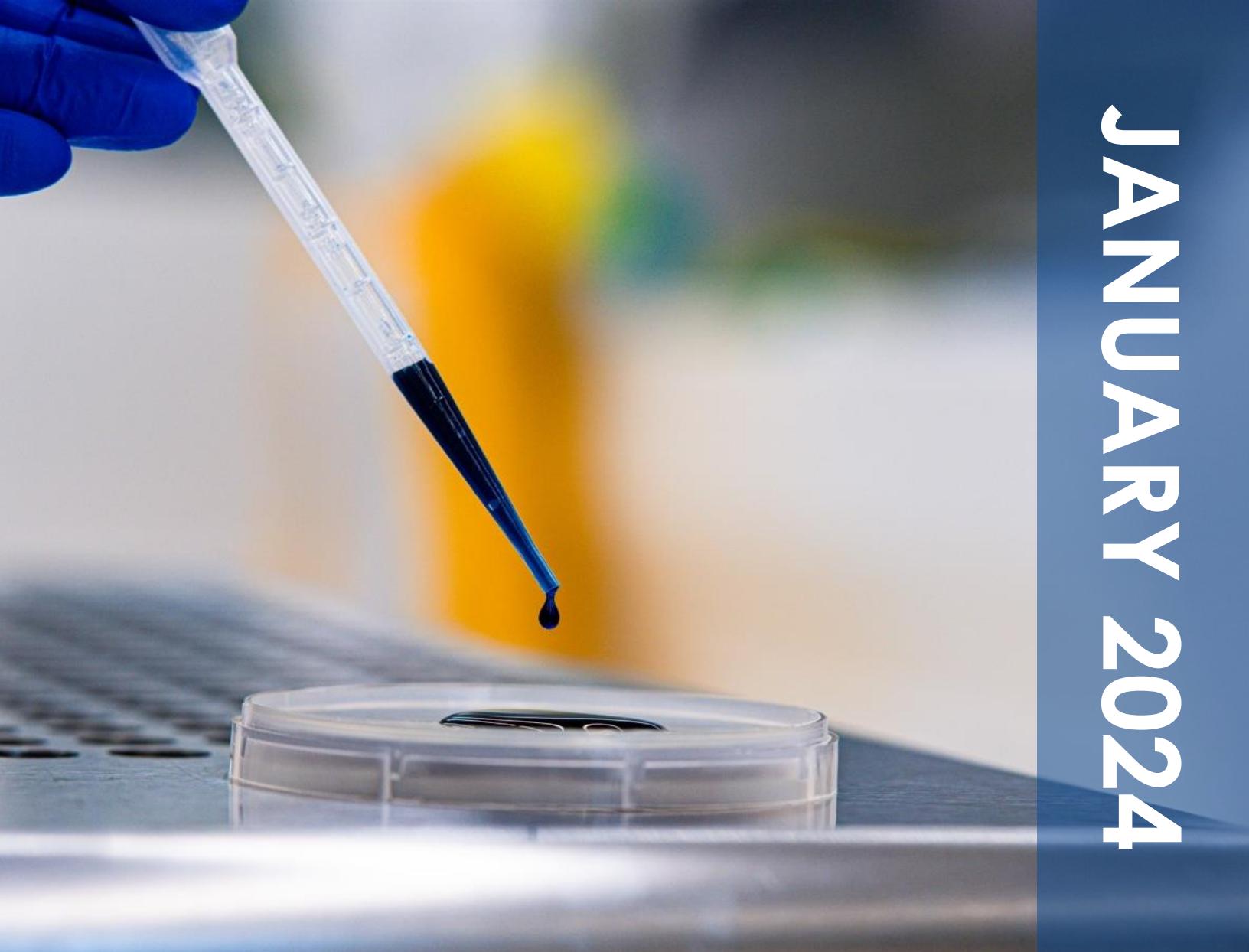
A CLOSER LOOK

into

VINSE

The word "VINSE" is written in large, bold letters. The letters are stylized with various patterns: the 'V' has a green textured pattern, the 'I' has a yellow sunburst pattern, the 'N' has a blue hexagonal grid pattern, the 'S' has a green textured pattern, and the 'E' has a blue textured pattern. The letters are set against a white background.

JANUARY 2024



Squeezing every last drop

Pipette transferring solution onto a wafer sample

V i N S E

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY 2024

VINSE

491-SA-PI

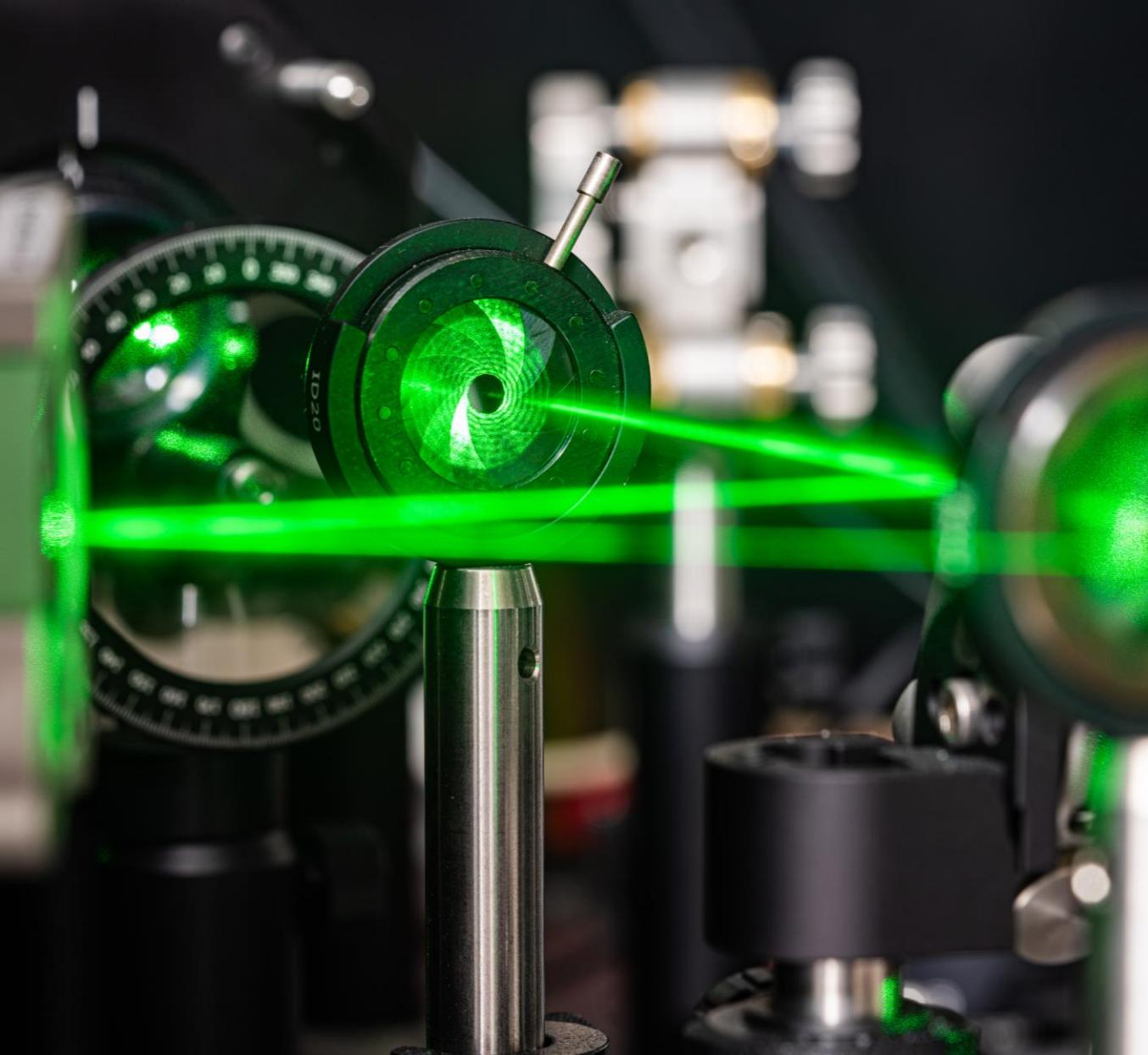
Tweezer stockpile

Selection of tweezers, scribes, and blades used across the VINSE facilities to handle and prepare samples



Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

MARCH 2024



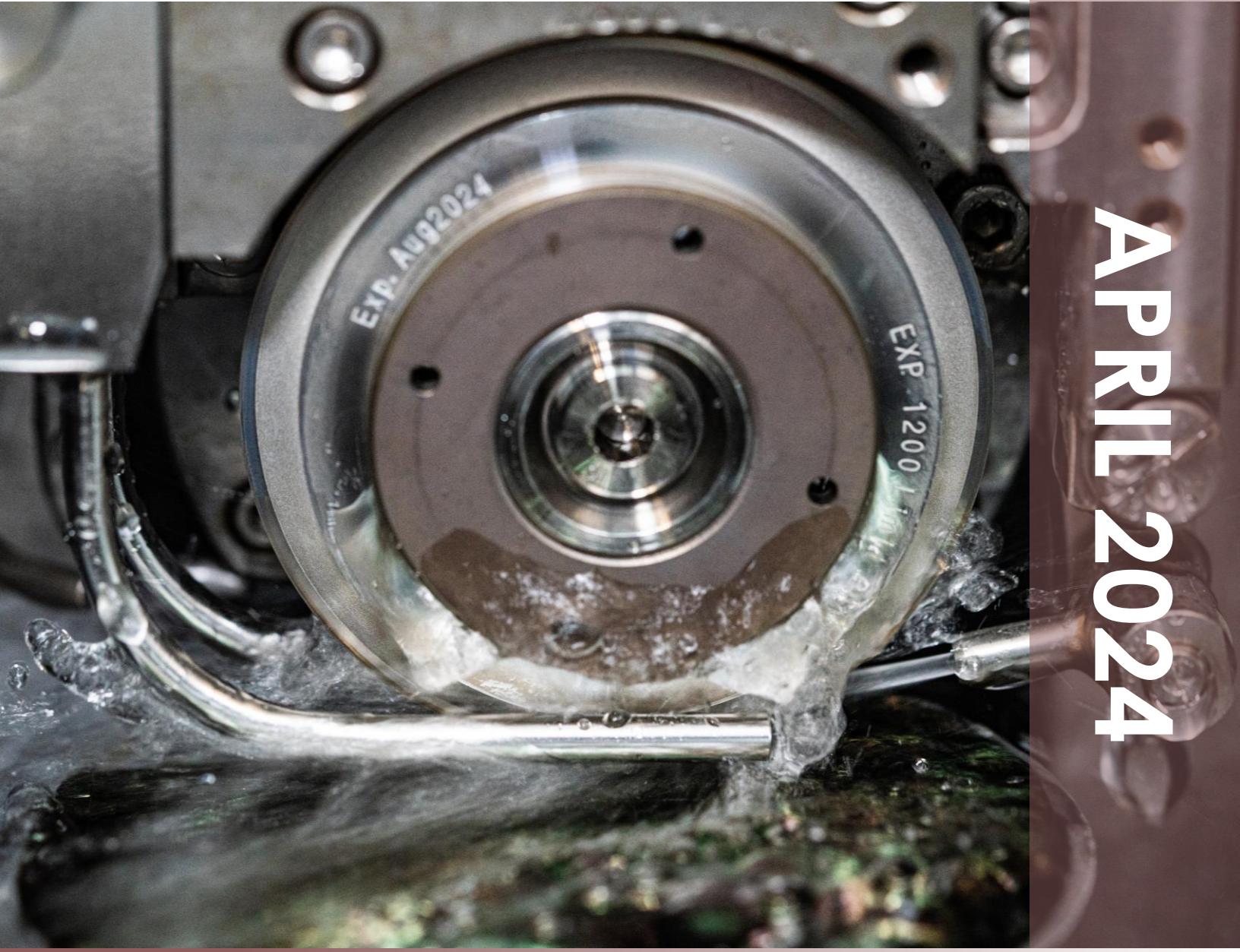
Laser playground

Probe laser in a photoluminescence microscope for quantum source characterization in the Nanophotonic Materials and Devices Lab

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24/31	25	26	27	28	29	30

APRIL 2024



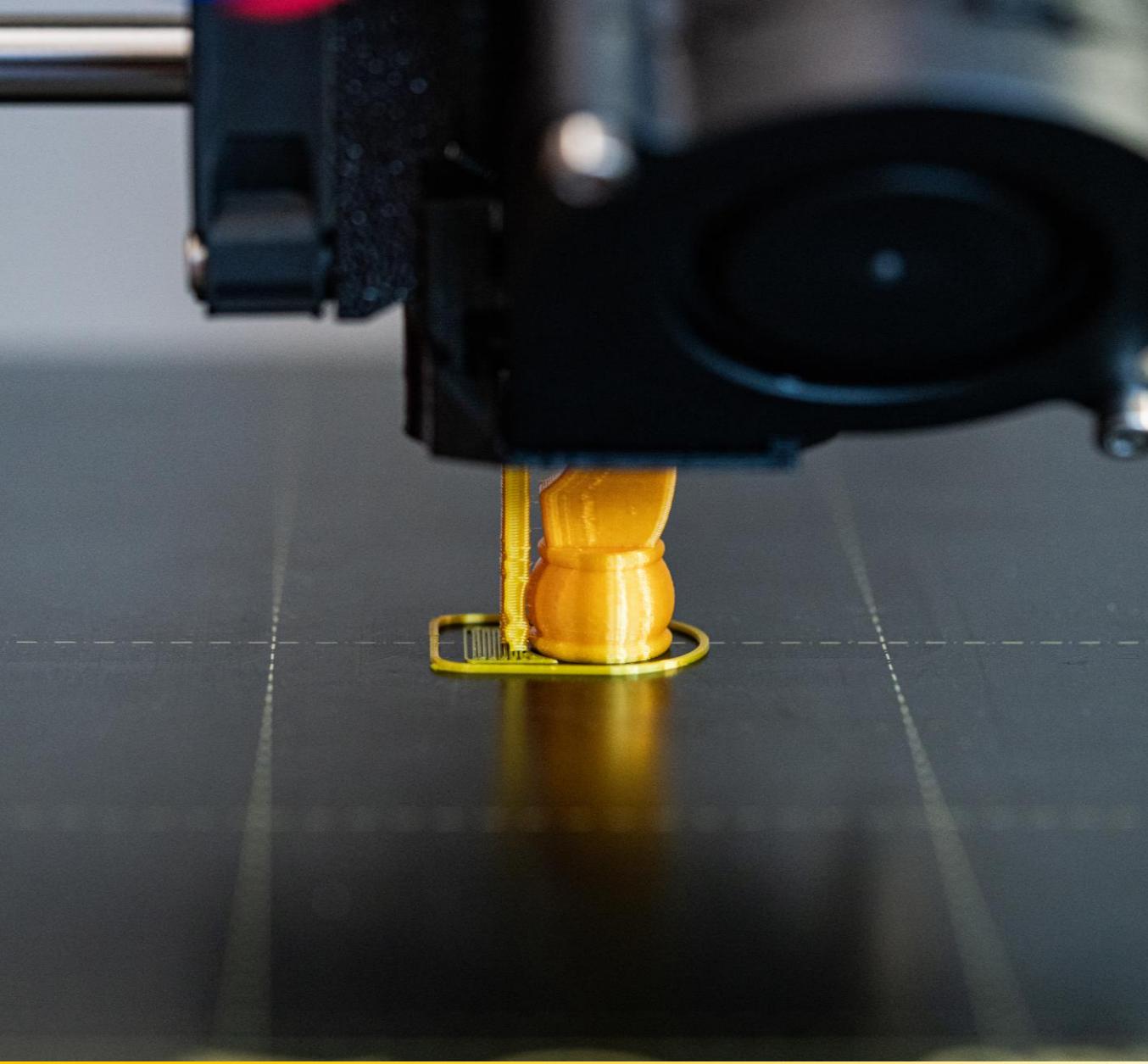
Turn on the jets

Saw blade and water jet for neatly dicing wafers using the Disco DAD3220 in the VINSE Cleanroom

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY 2024



Layer-by-layer

Printed component using the Prusa 3D printer in the VINSE Specimen Preparation Lab

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



JUNE 2024

Safe and secure

Wafer carrier used for sample storage in the VINSE Cleanroom

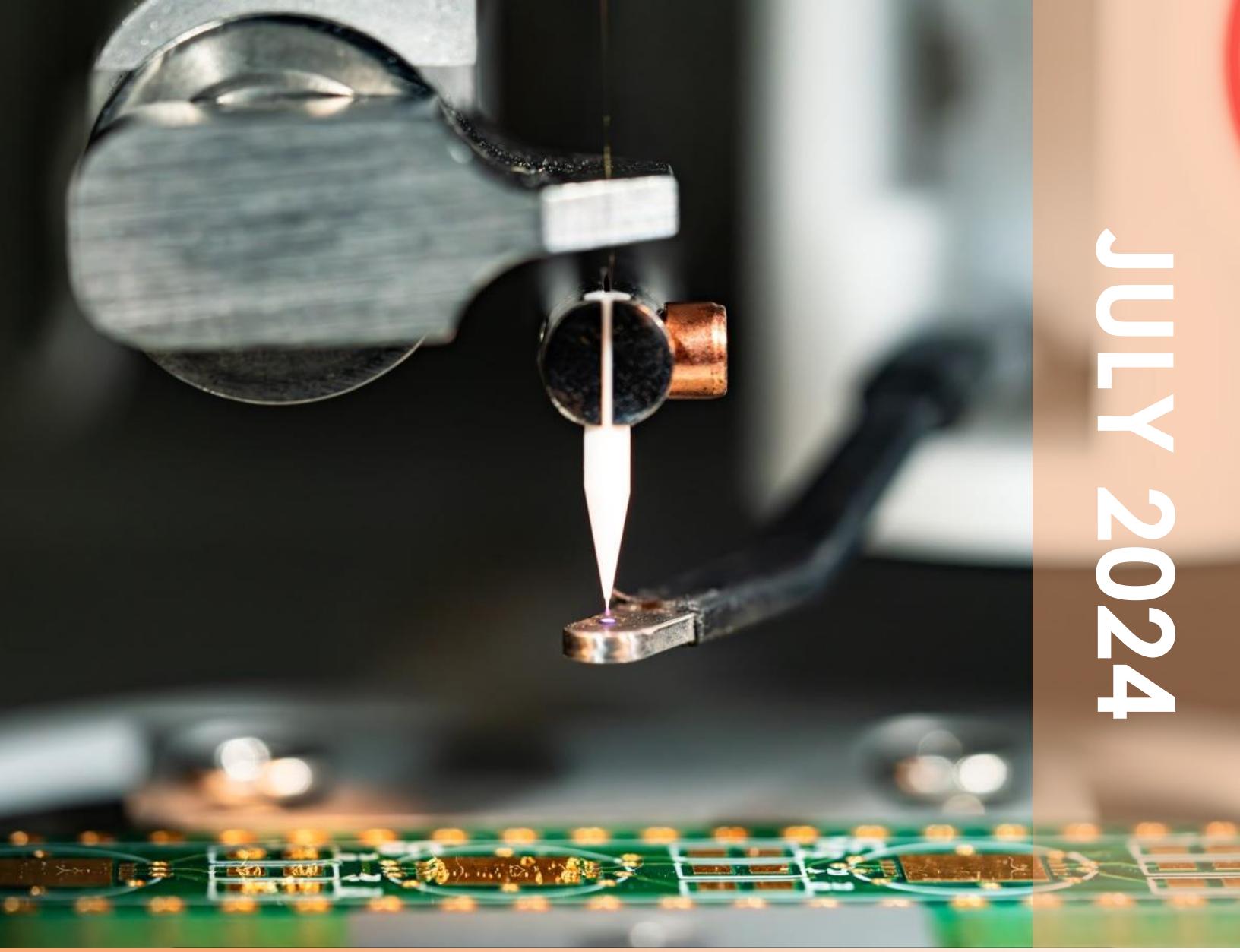


VINSE

The logo consists of the word "VINSE" in a bold, sans-serif font. Each letter is a different color: V is red, I is grey, N is blue, S is green, and E is dark blue. A small yellow square with a grid pattern is positioned above the letter I.

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24	25	26	27	28	29

JULY 2024



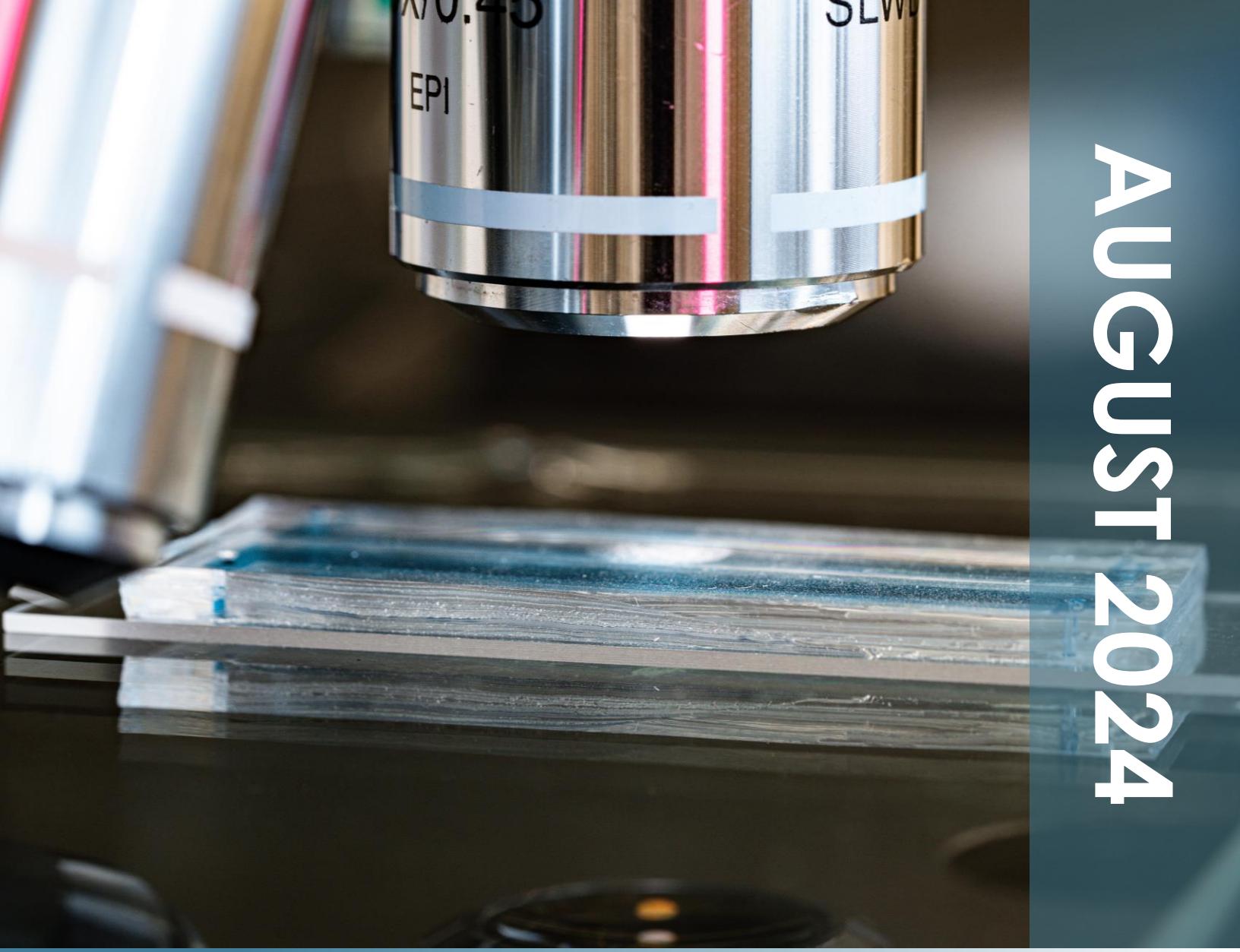
Sparking the ball

Plasma arc between gold wire and electronic fire off wand to form a wire bonding ball in the Radiation Effects Research Lab

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST 2024



Objective is the subject

Microfluidics device imaged using an optical microscope in the VINSE Cleanroom

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER 2024



Wafer shine

Thin film-coated wafer deposited using the Trion Orion II plasma enhanced chemical vapor deposition system in the VINSE Cleanroom

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER 2024



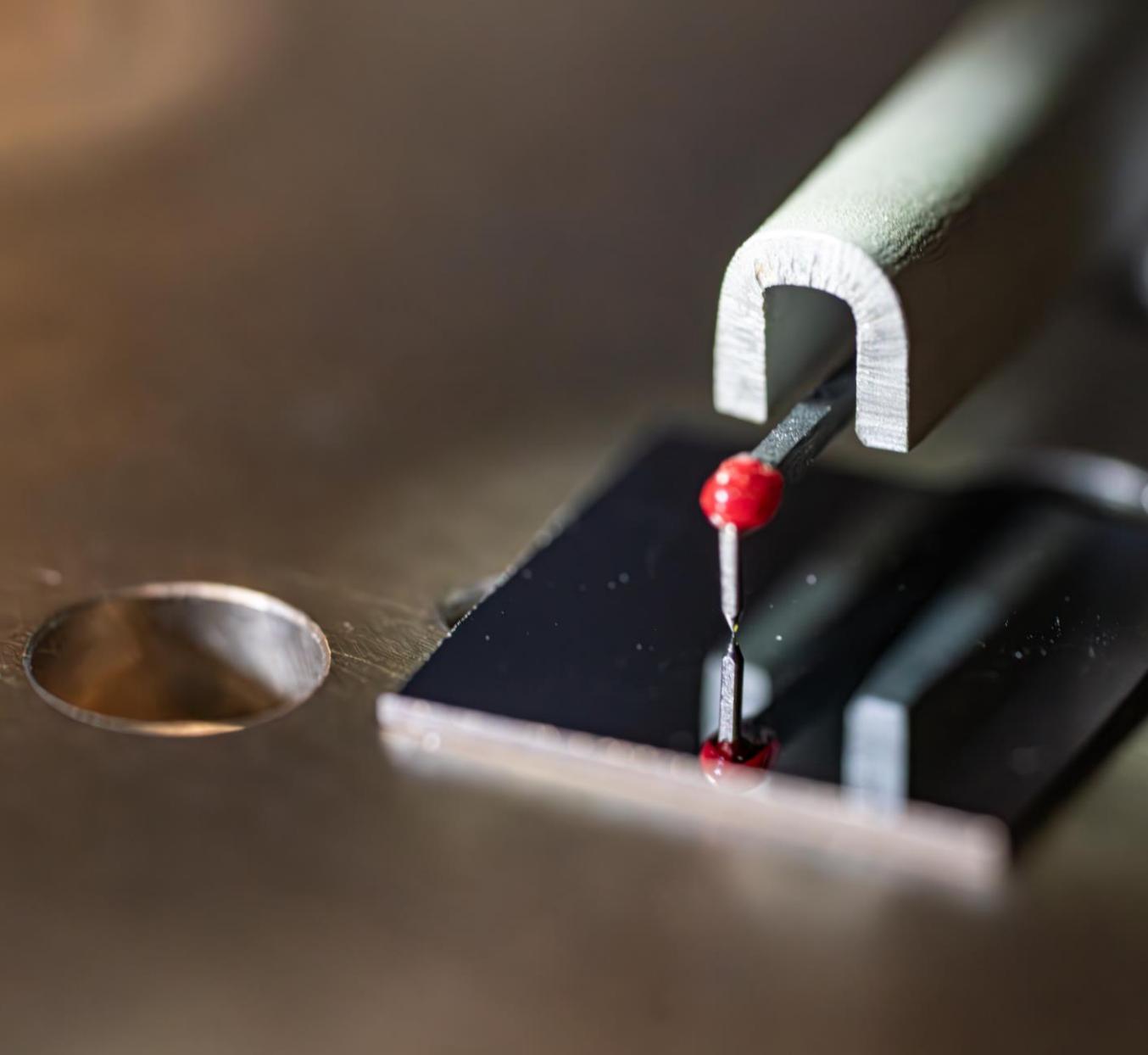
Start to spray

Isopropyl alcohol (IPA) in a squeeze bottle used for cleaning samples in the VINSE Cleanroom

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER 2024



Scratching the surface

Cantilever tip contacting the surface of a silicon wafer in the Bruker Dektak 150 stylus profilometer in VINSE Analytical Lab

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER 2024



Frozen in time

Liquid nitrogen preparation of biological samples for cryo-imaging in the FEI Helios NanoLab G3CX in the VINSE Advanced Imaging Facility

VINSE

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



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