

# Production Status

RIKEN/RBRC

Itaru Nakagawa

# INTT Production Status

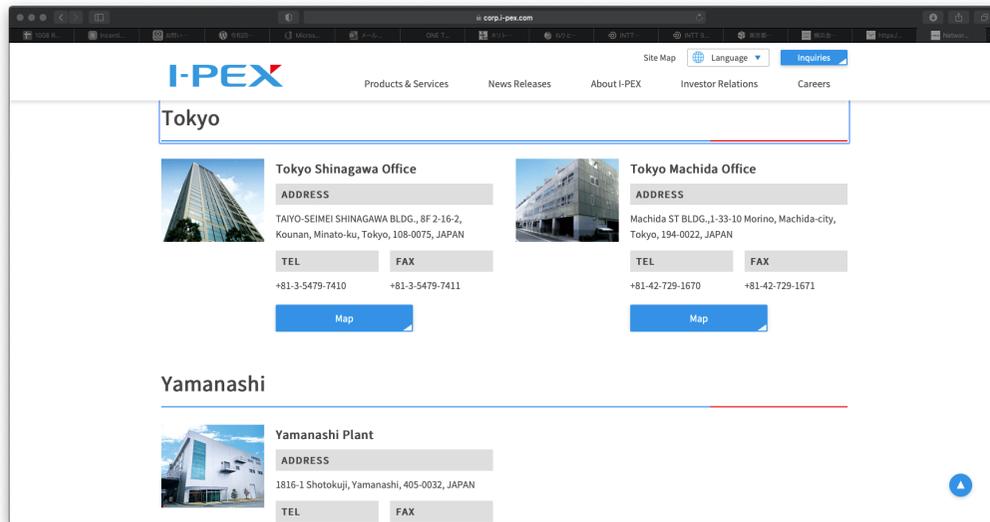
Today

\* Beyond 112 are spares

2022	1	2	3	4	5	6	7	8	Qty*	Status	
Silicon									135	Done	
HDI									176	Done	
Stave									204	Done	
Bus Extender	Batch-1(20)		Batch-2(40)			Batch-3(70)			130	Production	
Conversion Cable	Prototype-1	Contract		Prototype-2			Production (130)			130	Prototype
Beam Clock Board	Design		Public bid	Preproduction(2)		Test		Production(18)		20	Prototype

- Components procurements for **BCDB** by Arus co. is in progress. In optimistic scenario, they will complete procurements by the end of May.
- Batch-2(40) **Bus Extender** is to be delivered on April 25th. Exporting paper work is in progress. Target pick up date is April 28<sup>th</sup>.
- The harness of **μ-coax** cables for the prototype-II are expected to be delivered to Hayashi-REPIC by the 1st week of May. The delivery of prototype-II on schedule (end of May) is getting feasible.

# Conversion Cable Plan



- Itaru and Yasuyuki will visit I-PEX next week to discuss about technologies and the production plan and schedules.
- Once prototype-II is delivered in the end of May, we'll pursue following tests.
  - Channel mapping/conductivity tests
  - sParameters/impedance/eye-diagram (for publication)
  - Radiation hardness?

# Bus Extender Production Batch-II, III

Schedule

2021                      2022  
 11                      12                      1                      2                      3                      4                      5                      6                      7                      8                      9

Batch-I (20) → 15

Batch-II (40) → 40+1

**Batch-3 (70)** → 40 30

1<sup>st</sup> and 2<sup>nd</sup> lots are processed in parallel but separated by 2 weeks.

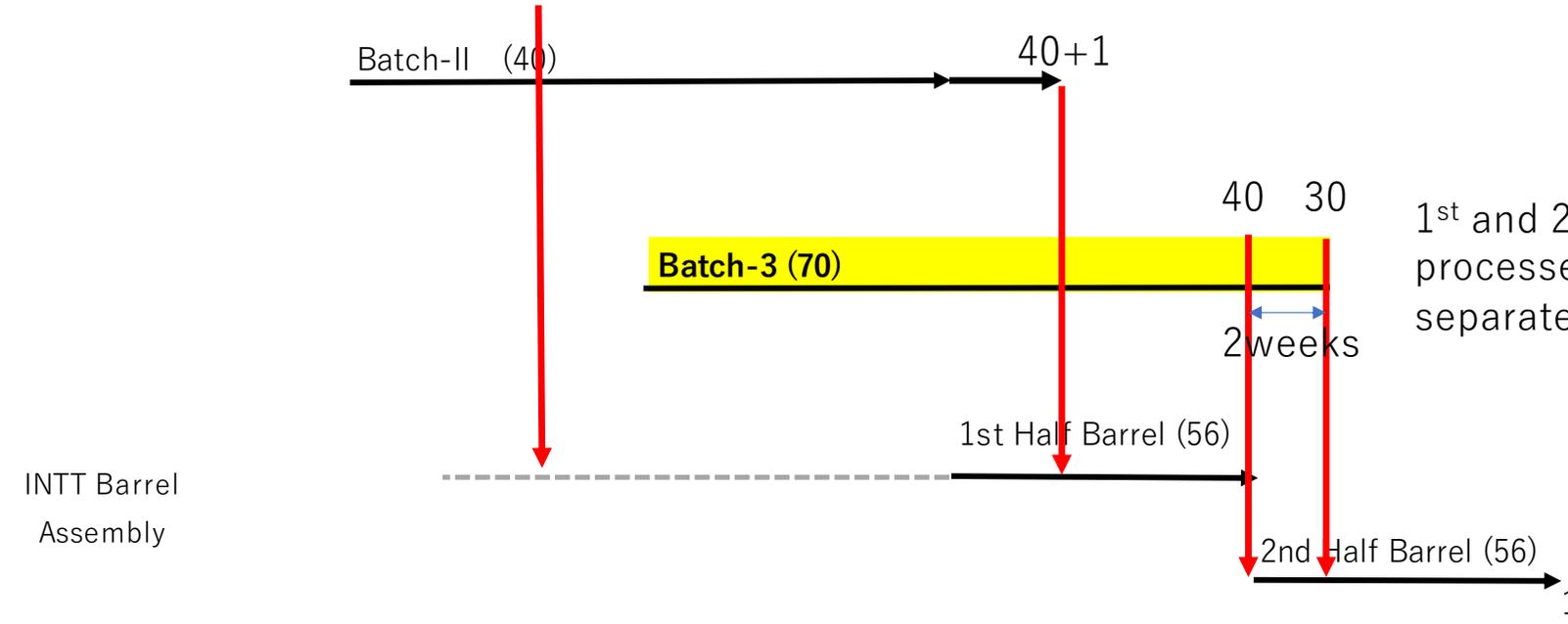
2 weeks

1st Half Barrel (56)

2nd Half Barrel (56)

INTT Barrel Assembly

1008 Install



# Batch-1 Bus Extender

The screenshot shows a Google Sheets spreadsheet with the following data:

Batch	Serial Number	2022/2/10	2022/2/28
1	1	TIRI	RIKEN
	2	Taiwan	
	3	NWU	
	4	NWU	
	5	NWU	
	6	BNL	
	7	BNL	
	8	BNL	
	9	BNL	
	10	BNL	
	11	BNL	
	12	BNL	
	13	BNL	
	14	BNL	
	15	BNL	
	16	BNL	
	17	BNL	
	18	BNL	
	19	BNL	
	20	BNL	

An orange box highlights the '2022/2/28' date in row 3, with a bracket pointing to it and the text 'To be shipped to BNL from one of them.'

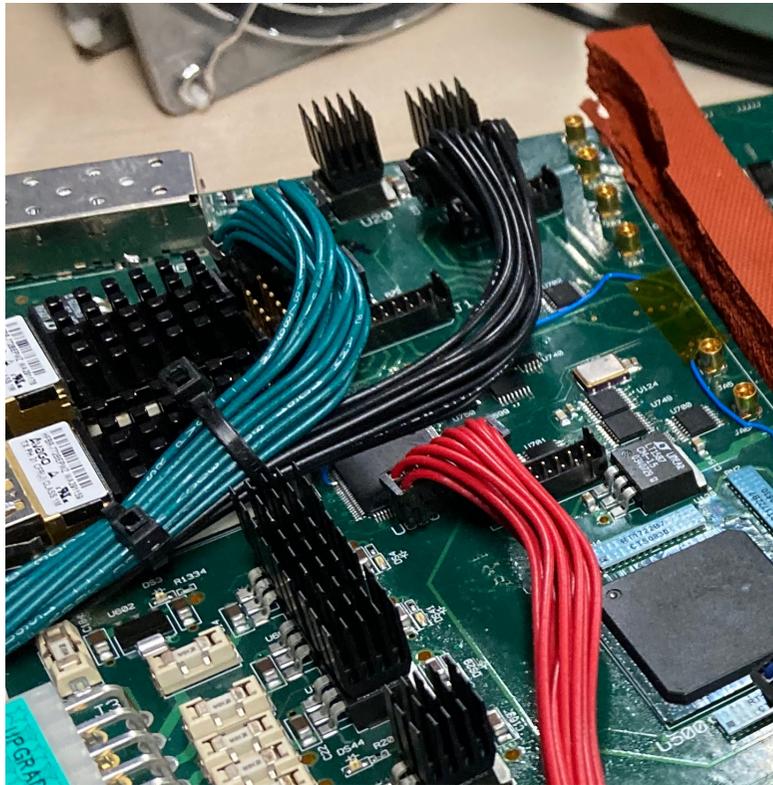
# 1008 ROC Test

- 6 Class-1 ROCs are to be exported to BNL. The boxes are to be picked up this afternoon.
- Details are to be reported by Hikaru Imai soon.



Hikaru is training 3 new undergraduate students of Rikkyo University

# Heat Sinks



- Regardless of our trial and errors to firm the glue of the heat sinks, we couldn't establish the rock-solid stiffness.
- Thus ROCs are shipped to BNL without regulator heat sinks mounted.
- We are afraid of them to be dropped during sipping.
- The box includes new heat sinks and they are to be attached to regulators in BNL.

Backup slides

# Potential Risk for Delay...



Factory is in Shenzhen



On Sunday, China ordered all of Shenzhen's 17.5 million residents into a seven-day lockdown, with three rounds of testing. All public transport is halted and all businesses, except essential services, will be closed until March 20.

As a result, Apple supplier Foxconn has shut two of its plants in the area and relocated production elsewhere.

The lockdown and outbreaks threaten manufacturing and tech production in Shenzhen, known as China's Silicon Valley. It's home to Huawei and Tencent, and is home to one of the country's key ports.



-> Back in operation by now.

# MVTX/INTT Trigger

