

Sponsor List

Partner Company

KIOXIA



DENSO
株式会社デンソー岩手

TEL
TOKYO ELECTRON



SANDISK



Supporter Company



一般社団法人
アイオー精密ものづくり教育振興会



ULVAC

JTEKT



ウエキコーポレーション



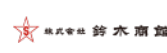
IWATE JOINT ORDER



OPTOWL

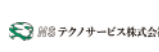


SystemBase



Tem-Tech Lab.

東北精密株式会社
TSK TOHOKUSEIMITSU CO. LTD.



Special Thanks



Sponsorship Opportunities Available

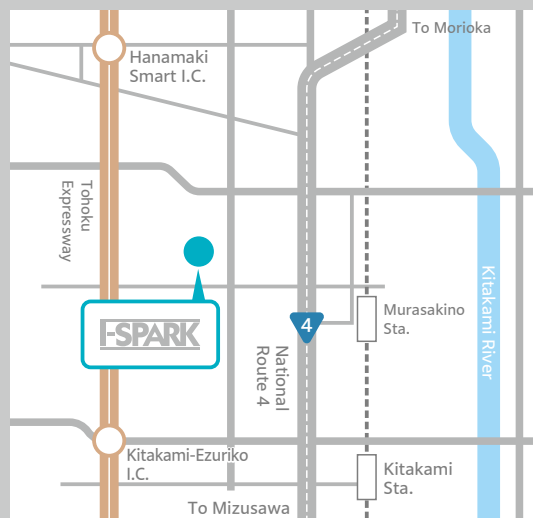
Partner Company

starting at ¥500,000per unit/ annual

Supporter Company

starting at ¥100,000 per unit/ annual

Please visit our website for details.



I-SPARK

Contact Information

**Iwate Semiconductor
Human Resource Development Center**
(Iwate Industry Promotion Center)

18-3-24 Murasakino, Kitakami City,
Iwate Prefecture, 024-0004

TEL: 0197-72-7185 FAX: 0197-72-7188

Email: i-spark@joho-iwate.or.jp

<https://www.joho-iwate.or.jp/i-spark/>



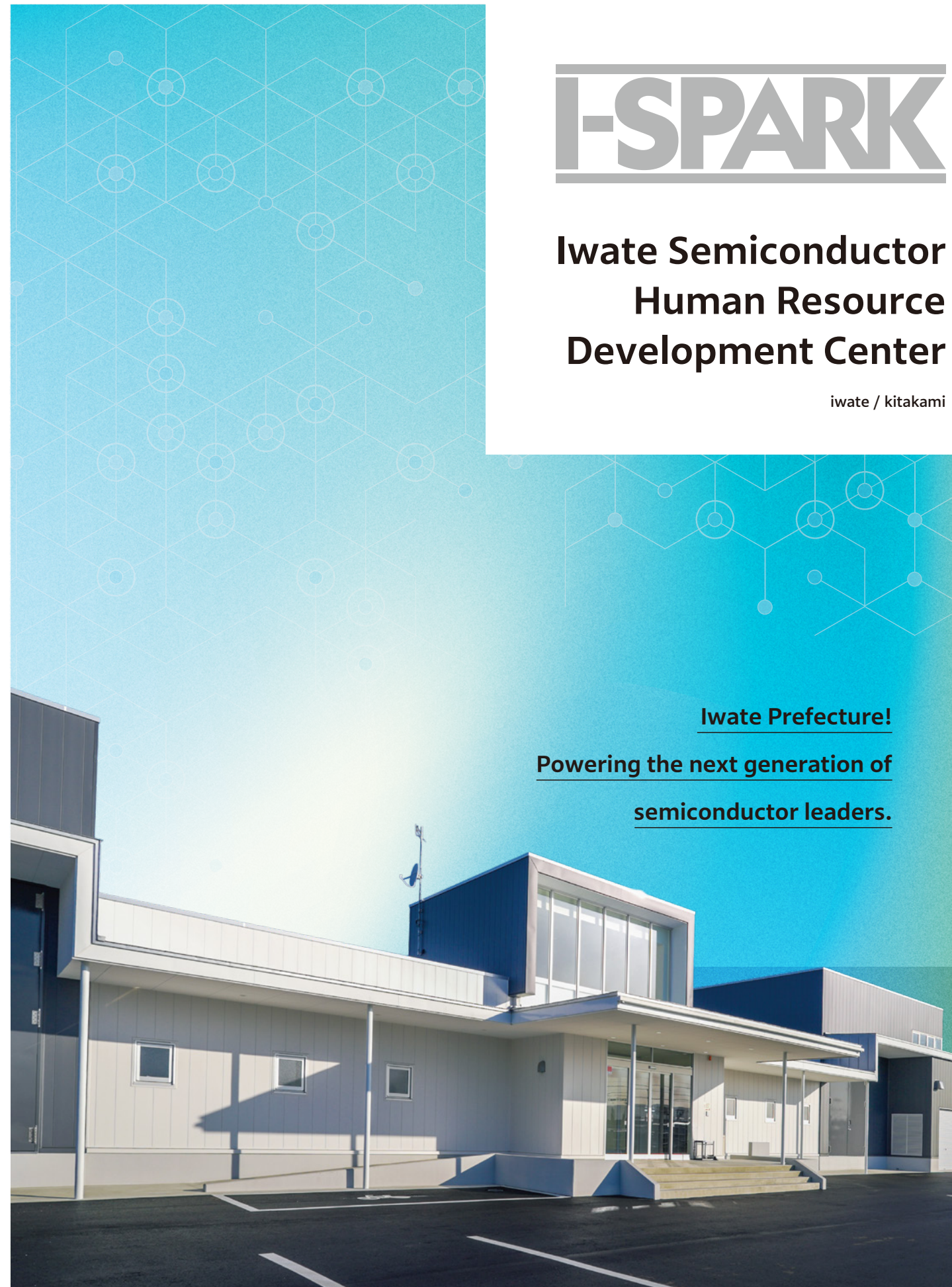
I-SPARK

Iwate Semiconductor Human Resource Development Center

iwate / kitakami

Iwate Prefecture!

**Powering the next generation of
semiconductor leaders.**



(A nick name derived from:
Iwate semiconductor **S**chool **P**roduction
equipment maintenance engineer development
And **R**esearch **K**nowledge of semiconductors.)

Iwate Industry Promotion Center

Polish your skills, Create the future.

A next-generation engineering education hub launches in Iwate!

I-SPARK

I-SPARK, the
Iwate Semiconductor Human
Resource Development Center.

A training facility center for the next
generation of engineers who will
lead Japan's semiconductor
industry.

Education for
university students,
high school
students, etc.

Educating the next
generation of human
resources through the Iwate
Semiconductor Academy
and other programs

Semiconductor
manufacturing
equipment
engineer training

Developing highly
specialized professionals

Current employees at
semiconductor manufacturing
companies, local companies
(new entrants), etc.

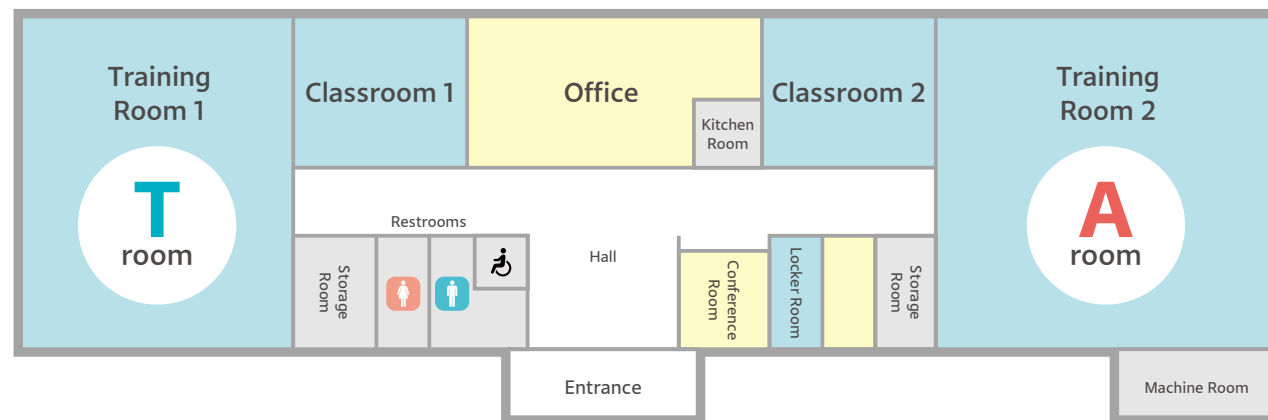
Next-generation
talent
development

Showcasing
the field through
hands-on learning

Stimulating
interest among
young people

Providing opportunities for
children and the public to
become familiar with
semiconductors.

Floor Map



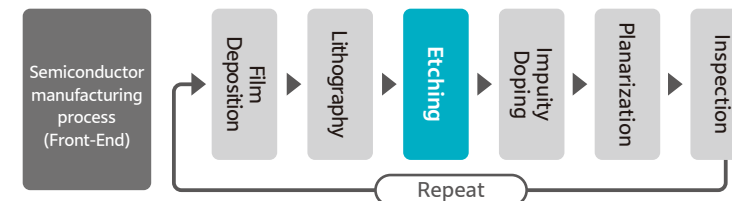
T
room

TOKYO ELECTRON

Tactras / Unity

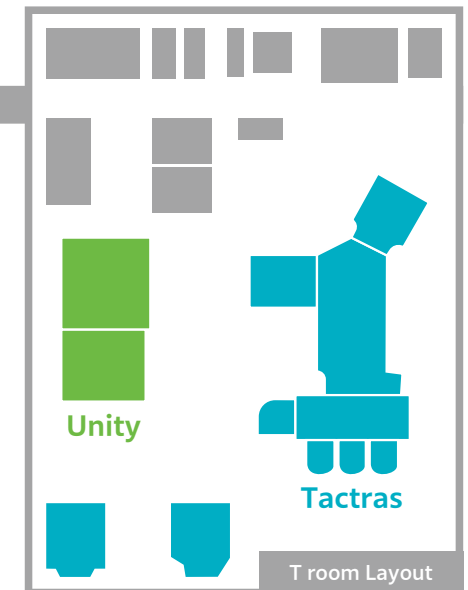
Equipment
Overview

Model : Tactras Vesta / Unity Ile-855II
Application : Etching
Wafer : Tactras 300mm / Unity 200mm



What is etching?

Etching is the process of using a circuit pattern transferred by lithography as a mask to remove the film using a chemical reaction (corrosion) of involving reagents and ions.



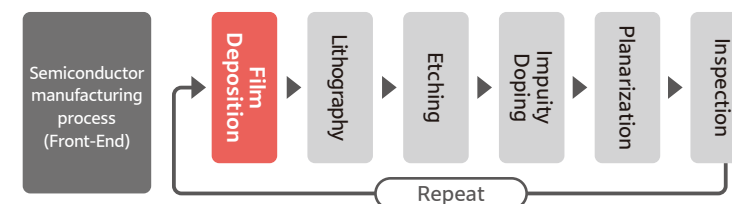
A
room

APPLIED MATERIALS

Producer

Equipment
Overview

Model : Producer-XP
Application : CVD (Chemical Vapor Deposition)
Wafer : 300mm



What is deposition?

There are three methods for forming the film layer base for creating electrical circuits: CVD, thermal oxidation, and sputtering. CVD stands for "chemical vapor deposition," and is a process that forms a film on a substrate using a chemical reaction that occurs when raw materials react with energy such as heat or plasma.



Image of semiconductor manufacturing equipment
Source: Applied Materials website

Classroom 1/Classroom 2

