HAMAMATSU

PHOTON IS OUR BUSINESS

Corporate presentation

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Sales Engineer

La Biodola, 24/05/2022

Hamamatsu Photonics : A Driver in the Industry

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« Our Technology capacity and scale by the numbers"

SINCE
1953

3
R&D
CENTERS

7
MANUFACTURING
FACILITIES

5.035
EMPLOYEES

$ 1.325
BILLION
1953 ••••••••••••• 2019

9%
R&D
EXPENSE

3 NOBEL PRIZE
CONTRIBUTIONS

15.000
PRODUCTS

1995
ENTRY IN
TOKYO
STOCK EXCHANGE

UNITED NATIONS GLOBAL COMPACT
- HUMAN RIGHTS
- LABOUR STANDARDS
- ENVIRONMENT
- ANTI-CORRUPTION

*Figures taken in 2019

Our Diverse Markets

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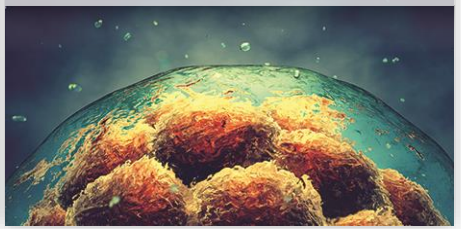
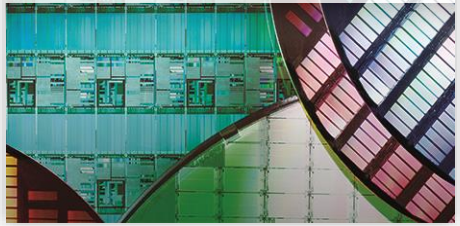
ACADEMIC RESEARCH - PHYSICS

ACADEMIC RESEARCH - LIFESCIENCE



SEMICONDUCTOR MANUFACTURING

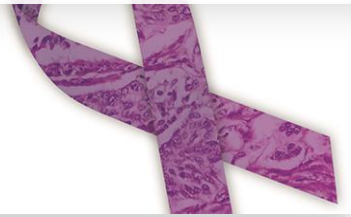


FOOD MANUFACTURING

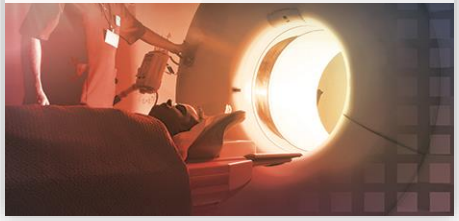
AUTOMOTIVE MANUFACTURING

PHARMACEUTICAL MANUFACTURING

HOSPITALS & MEDICAL LABORATORIES

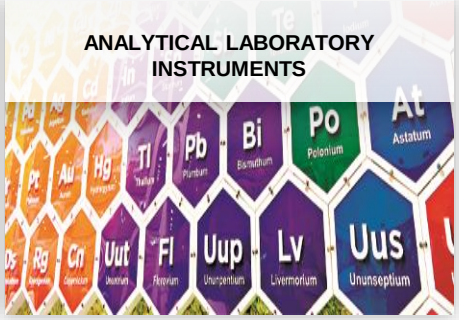


DIAGNOSIS & MEDICAL DEVICES



ENVIRONMENTAL DEVICES

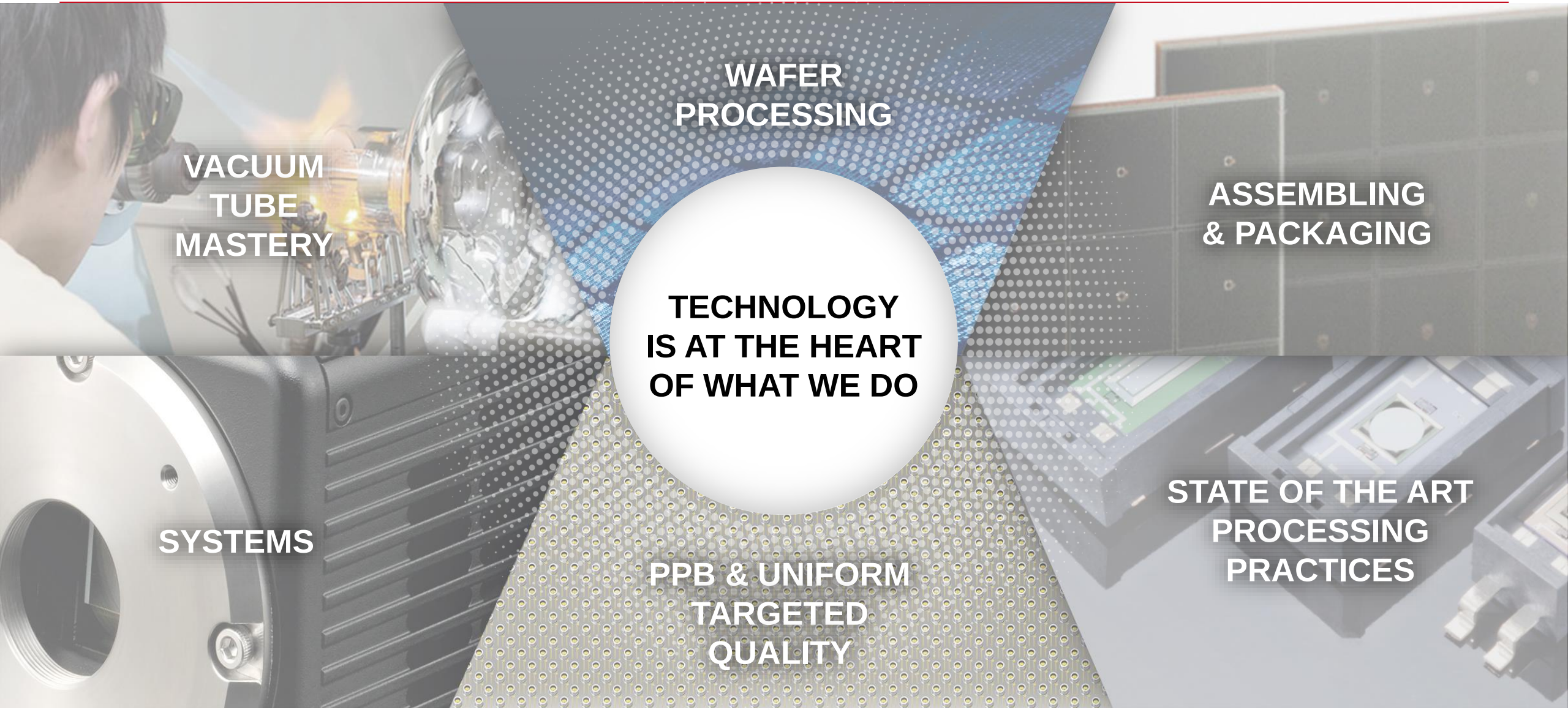
ANALYTICAL LABORATORY INSTRUMENTS



AUTOMOTIVE

INDUSTRIAL MACHINERY

Our Know-Hows



The Experiments with MPPCs

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2008

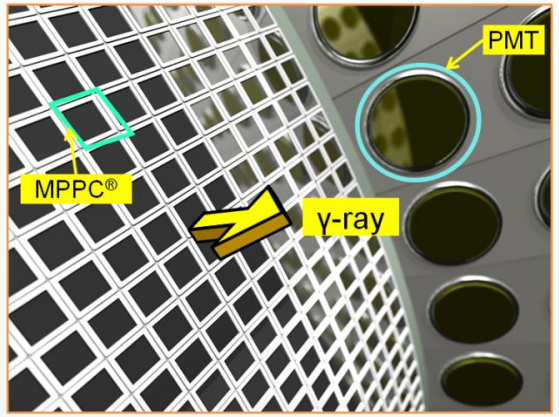
T2K experiment
Near detector(ND280)

S10362-13-050C

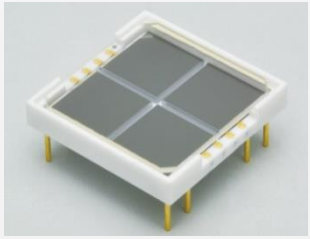
- **Coupling with WLS fiber**
- **High PDE for WLS emission**

2014

MEG II experiment
Liquid Xe γ ray detector



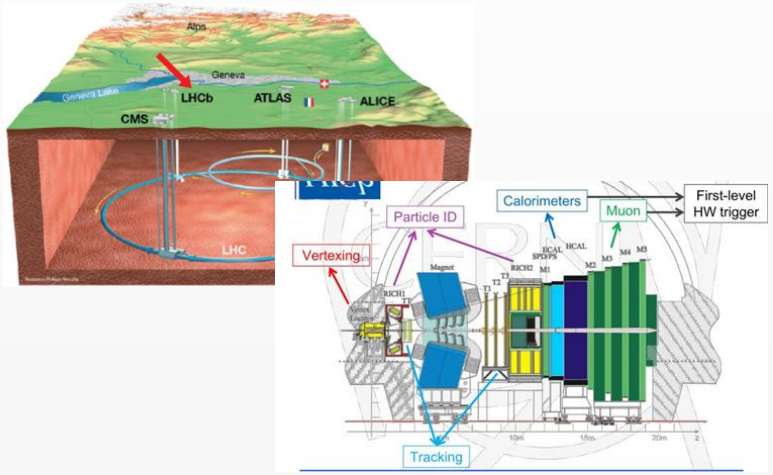
S10943-4372



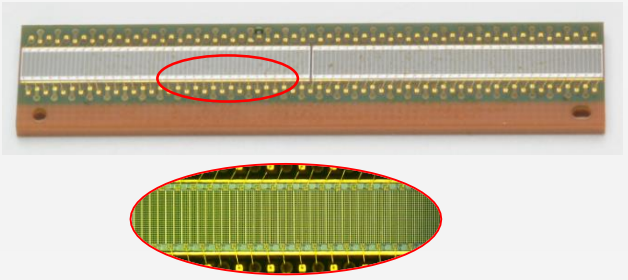
- **Designed for cryogenic condition (Liq.Xe)**
- **High PDE for VUV (175nm)**

2018

LHCb SciFi Tracker



S13552



- **128ch custom MPPC array**
- **Coupling with fiber array**

New MPPCs will be used for ND280 upgrade

The Experiments with PMTs

In general, PMT in Neutrino experiments is used with water, ice or liquid scintillator to detect Cherenkov light/scintillation light by interaction with neutrino.

Super Kamiokande

11,200 pcs of 20-inch PMT were settled in Super-K tank.

IceCube

5,160 pcs of 10-inch were deployed in south pole

KamLAND

～2,000 pcs of 17-inch/20-inch were used for KamLAND Project.

Our Sales & Service

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A UNIQUE APPROACH TO EACH CUSTOMER

TALENTED
& SKILLFUL

LOCAL
MAINTENANCE
CAPABILITY

SECURITY
TRAINING

SHOWROOM &
LOCAL FEASIBILITY
TESTING

RETURN MERCHANDISE
AUTHORIZATION
FOLLOW-UP

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