



TCT Japan 2020

Post Show report

Overview -TCT Japan-

Organizer Jtb Communication Design



D a t e 29 - 31 January, 2020

T i m e 10:00-17:00

V e n u e South Hall 4, Tokyo Big Sight,
Japan

Number of...



123

Exhibitors



4,734

Square meter



47,692

Attendees

*Including co-located shows

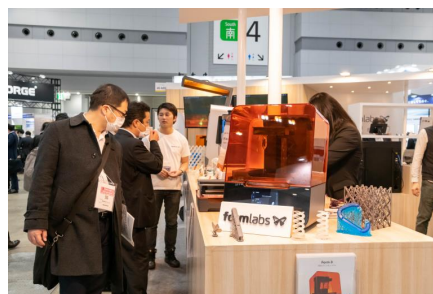
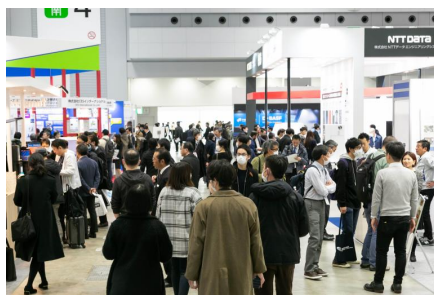


26

Conferences/
Presentations

From **8** Countries and region

(Czech, China, Germany, Korea, Netherlands, Switzerland, UK, USA)



Co-located shows



Promotion

Free Admission Tickets

Over **100,000** distributed



E-mail Newsletters

Over **10,000** Subscribers



*Directly posted to previous participants and distributed in many Additive Manufacturing-related companies, public institutes, and related exhibitions.

Press Releases • Advertisement

✓ Press Releases



✓ Advertisement

tctmagazine.com, THE NIKKAN KOGYO SIMBUN, THE KANAGATA SHIMBUN, THE NIKKAN JIDOSHA SHIMBUN, google, Yahoo, and more

TCT Magazine Japan edition



Exhibitors interview

With media partner, we published over 10 exhibitors interview article before the show.



TCT Conference

TCT Conference delivered deep technical know-how and inspirational application studies across the spectrum of Additive Manufacturing and 3D technologies. Over **10** Speakers from JAPAN, Europe and USA delivered a truly global perspective ensuring your time out of the workplace will be of maximum value.

Session 1 : AM GLOBAL PERSPECTIVES

「Opening Remark」



Mr. Duncan Wood
Chief Executive Officer
Rapid News Publications

「FACTS, FIGURES AND FUTURE: Current Status of AM in the US and Europe」



Mr. Chris Connery
Vice President Global Analysis and Research
CONTEXT

「The Times Move to AM,3D printer market in Japan」



Ms. Hiroko Koyama
Senior Researcher
ICT&Finance
Yano Research Institute



「Panel Session: How Can AM Technologies Improve the Japanese Manufacturing Industry?」



Moderator
Mr. Daniel O'Connor
Rapid News Publications



Panelist
Mr. Chris Connery
Vice President Global Analysis and Research
CONTEXT



Panelist
Mr. Sangmin "Simon" Lee
Regional Director Asia
AM ventures



Panelist
Mr. Peter Rogers
Autodesk

Session 2 : STANDARDIZATION, BUSINESS AND ECONOMIC CONSIDERATIONS

「Advancing the State of AM Adoption: Impacts of Transformative Technologies and Standards Harmonization」



Mr. Tim Shinbara
VP of Technology and CTO
AMT (The Association for
Manufacturing Technology)

「Human resource development for social implementation of digital fabrication technology」



Dr. Hiroya Tanaka
Professor
Faculty of Environmental Information
Keio University

「The Role of Startups in the Additive Manufacturing Industry」



Mr. Sangmin "Simon" Lee
Regional Director Asia
AM ventures

「Project of Innovative Manufacturing Base through 3D Printing and Additive Manufacturing in Japan」



Ms. Toshiko Tanigawa
Chief
Next-Generation Industry and Information
Policy Division, Economic Policy Department
The Kansai Bureau of Economy, Trade and
Industry

Session 3 : DfAM / AM APPLICATIONS

「Function-driven Design for Additive Manufacturing: A Novel Multi-Physics Topology Optimization Approach」



Mr. Sebastian Bersch
Manager
Manufacturing Solutions
Siemens

「Development of 3D printer using cement-based material as ink」



Mr. Tomoya Kaneko
Chief Engineer
Construction System and Material
Department Technical Research
Institute Technology Division
Obayashi Corporation

「Application and expectation of 3D printing technology for lunar rover development」



Mr. Shinichiro NakaJima
CEO
Dymon



Exhibitor List

3Dprinter SK honpo	3S-P22
ALTECH	4S-J04
ANSeeN	4S-G14
ARGO	4S-S17
Aspect	4S-H10
Association for Computer Skills Promotion	4S-S02
BIHOU	4S-S05
Studio BIHOU	
Bruker Japan	4S-V11
Carpenter Additive Japan	4S-V10
Data Design	4S-G01
Digital Metal / Höganäs Japan	4S-M17
DMG MORI	4S-J01
EIKOH DESIGN & CREATION	4S-V16
FASOTEC	4S-C02
Filament PM (Czech)	4S-M20
FLASHFORGE / AppleTree	4S-S07
Formlabs	
BRULÉ	
Digital Factory	4S-M10
Fusion Technology	
YOKOITO	
Freeman Technology	3S-E21
Fuji Industries / AddUp / BeAM / Poly-Shape	4S-G13
Fusion Technology	4S-G10
GF Machining Solutions	3S-C21
Gluckhuvantix	4S-E17
OKURA CHEM-TECH	
Hakudo	4S-P19
Hitachi	4S-A15
HOTTY POLYMER	4S-C01
HTL	4S-Q13
IGUAZU	4S-D16
iGLOBAL	4S-S02
INABATA	3S-G21
Polymaker	
Japan 3Dprinter	4S-C07
BASF 3D PRINTING SOLUTIONS	4S-E07
JATEC	3S-P21
JX Nippon Mining & Metals	
H.C.STARCK TANTALUM AND NIOBIUM	4S-G16
TOHO TECHNICAL SERVICE	
Kansai-3Dtechnology Project	
AIST	
Cyfuse	
IFUKU SEIMITSU	4S-M07
kyoraku	
Osaka Yakin Kogyo	
proto-tec	
sk-fine / Nishimura Advanced Ceramics	
KOIWAI	4S-C13
KYOEI SANGYO	4S-G04
Kyushu University Fujino Laboratory	3S-C22

LEHVOSS Group / WEST ONE CORPORATION	4S-P01
LIBERTY POWDER METALS (UK)	4S-H04
Marubeni Information Systems	4S-M16
Materialise Japan	4S-C05
Metal Technology	
INFORMATION SERVICES INTERNATIONAL-DENTSU ,LTD	4S-S13
KOBE MATERIAL TESTING LABORATORY	
Michell Japan	4S-Q04
MIMAKI ENGINEERING	3S-H22
MIRRORCLE ANALYSIS CENTER	4S-A14
Mitsubishi Corporation Technos	4S-J16
MITSUI MINING & SMELTING	4S-P20
Morimura Bros.	4S-Q17
Multiphoton Optics	4S-M01
MURATANI MACHINE MANUFACTURE	4S-S16
Nabertherm (Germany)	4S-P05
Nature Architects	4S-C16
Nihon Binary	4S-P16
Nippon Light Metal	4S-V13
nTopology	4S-J19
NTT Data Engineering Systems	4S-G07
/ EOS Electro Optical Systems Japan	
Pacific Sowa	4S-C10
Q-ho Metal Works	4S-V04
RPV	4S-A06
SANDVIK OSPREY (UK)	4S-A04
Sanko Bussan	4S-V07
SANYO SPECIAL STEEL	4S-S10
SeaForce	4S-M19
Sindoh	4S-D01
SMARTTECH 3D scanner (Poland)	4S-E10
Snapmaker	4S-S01
STG JAPAN	4S-D17
System Inn Nakagomi	4S-V08
TAIYO NIPPON SANOS	4S-M13
TMC	4S-P13
TOKUYOSHI KOGYO	4S-S02
TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	3S-H21
Toray Industries	
Toray Engineering	3S-M21
Toray Precision	
Toray Research Center	
toriado koubou	4S-S02
TOSHIBA MACHINE	4S-S02
TRUMPF	4S-M04
UEL	4S-C04
VDM Metals Japan	4S-D04
Yamagata University Co-creation consortium toward Novel soft-manufacturing reVolution on soft 3D interFAce innovation by Breakthrough in materials and processes	3S-D22
Yamagata University Soft Matter Robotics Consortium	

Carry-in entrance South4-A Width: 7.7m Height: 4.6m

Carry-in entrance South4-B Width: 7.7m Height: 4.6m

Lounge

4S-V07 Sanko Bussan

4S-V08 System Inn Nakagomi

4S-V10 Carpenter Additive Japan

4S-V11 Bruker Japan

4S-V13 Nippon Light Metal

4S-V16 EIKOH DESIGN & CREATION

4S-S02 Service Bureau Pavilion

4S-S01 Snapmaker

4S-V04 Q-ho metal works

4S-S05 BIHO

4S-S07 FLASHFORGE / AppleTree

4S-S10 SANYO SPECIAL STEEL

4S-S13 Metal Technology

4S-S16 MURATANI MACHINE MANUFACTURE

4S-S17 ARGO

4S-P20 MITSUBI MINING & SMELTING

TCT Introducing

3S-P21 JATEC

3S-P22 3DPrinter SK honpo

3S-M21 Toray Industries

4S-P01 LEHVOSS Group / WESTONE

4S-M01 Multiphoton Optics

4S-Q04 Michell Japan

4S-P05 Nabertherm

4S-M04 TRUMPF

4S-M07 Kansai-3D technology Project

4S-Q13 HTL

4S-P13 TMC

4S-M13 TAIYO NIPPON SANSO

4S-P16 Nihon Binary

4S-Q17 Morimura Bros.

4S-M16 Marubeni Information Systems

4S-M17 Digital Mental / Hōgasan

4S-P19 Hakudo

4S-M19 SeaForce

4S-M20 Filament PM

Stamp Collecting / Give Away

3S-H21 MIMAKI ENGINEERING

3S-H22

3S-G21 INABATA

4S-J01 DMG MORI

4S-G01 Data Design

4S-J04 ALTECH

4S-H04

4S-G04 KYOEI SANGYO

4S-G07 NTT Data Engineering Systems / EOS Electro Optical Systems Japan

4S-H10 Aspect

4S-G10 Fujion Technology

4S-G13 FUJI Industries / AddUp / BeAM Poly-Shape

4S-J19 nTopology

4S-J16 Mitsubishi Corporation Technos

4S-G16 JX Nippon Mining & Metals

Food&Drink

4S-E21 Freeman Technology

3S-D22

4S-D01 Sindoh

4S-C02 FASOTEC

4S-D04 VDM Metals Japan

4S-C05 Materialise Japan

4S-C04 UEL

4S-E07 BASF 3D PRINTING SOLUTIONS

4S-C07 JAPAN 3DPrinter

4S-E10 SMARTTECH 3D scanner

4S-C10 Pacific Sowa

4S-D16 IGUAZU

4S-E17 Gluckhvantix

4S-D17 STG JAPAN

4S-D14 TCT Group

4S-C13 KOIWA

4S-A14 MIRRORCLE ANALYSIS CENTER

4S-A15 Hitachi

4S-C01 HOTTY POLYMER

4S-A04 SANDVIK OSPREY

4S-A06 RPV

Kyushu University Fujino Laboratory

Electrical Piping Pit

Machine Piping Pit

TCT Introducing Stage

29 Jan.

12:20 ~ 13:05
TBA

Mr. Araiara Keiichiro
Formlabs

13:15 ~ 14:00

Direct metal printer for mass production and with large build size, developed "by 3D Systems, leading tech. for 3D Printer" x "by GF Machining Solutions, leading tech. for industrial machine"

Mr. Koji Soeda
Additive Manufacturing Segment Manager
Business Development
GF Machining Solutions

14:10 ~ 14:55

Laser fabrication method for 3D complex silica glass

Prof. Shigeru Fujino
Professor, Global Innovation Center(GIC)
Kyushu University

15:05 ~ 15:50

Promotion of innovative Additive Manufacturing(AM) and business development of Aspect (Latest trends in PBF technology and latest materials)

Mr. Shinichi Suko
Executive Officer General Manager, Marketing Dept.
Aspect

16:00 ~ 16:45

Removing Additive Manufacturing design restrictions

Mr. Brain Spink
Manager of Application engineering
Taiyo Nippon Sanso / Velo3D

30 Jan.

11:50 ~ 12:15

Innovation empowered by 3D Printing

Mr. Tatsuro Nagasaka
Information & Electronics Div. II
INABATA

12:20 ~ 13:05

Metal 3D Printer ExOne Binder Jetting technology

Mr. Robert D. Wood
Pacific Sowa / ExOne

13:15 ~ 14:00

Advanced Design Software for Additive Manufacturing

Mr. Akira Kobayashi
nTopology

14:10 ~ 14:55

High-precision binder jet printer Digital Metal

Mr. Miyamoto Masahiro
Höganäs Japan

15:05 ~ 15:50

A high-quality SLA machine is 398,000 yen! ? Thoroughly introduce the charm of PartPro150xP of XYZ printing with examples

Mr. Takeaki Yoshizawa
General manager
Business Development Division 3D System Sales Department
Iguazu
Mr. Koji Nunoyama
CEO, SELECT D

30 Jan.

12:20 ~ 13:05

Support improvement in quality of Additive Manufacturing with AI technology. Possibility of Metal and Composite 3D printer from Markforged.

Mr. ushioni Masakazu
Data Design

13:15 ~ 14:00

Precision three-dimensional inspection for materials interior by direct conversion type X-ray Imaging detector.

Dr. Akifumi Koike
CEO, ANSeeN

14:10 ~ 14:55

Advanced Metal Powders for Additive Manufacturing
-Cu·Ti·Ta·Nb-

Mr. Shingo Funahashi
JX Nippon Mining & Metals Corporation

15:05 ~ 15:50

Introduction of SKYSCAN 1273 Desktop high-energy 3D X-ray microscopy

Mr. Masateru Abe
Bruker Japan

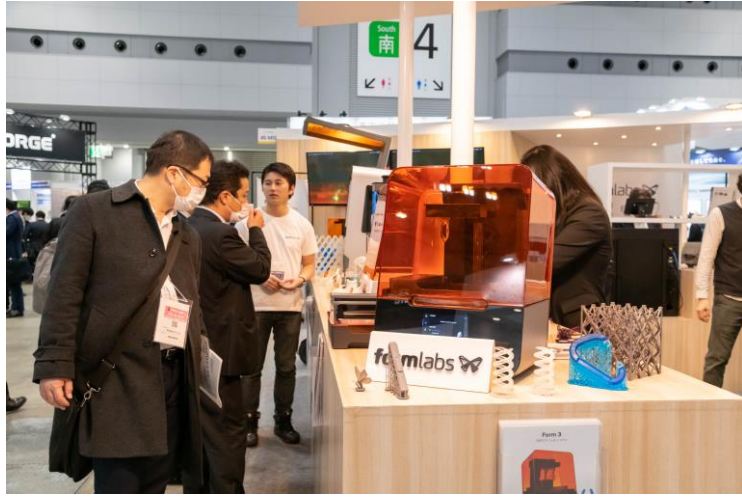
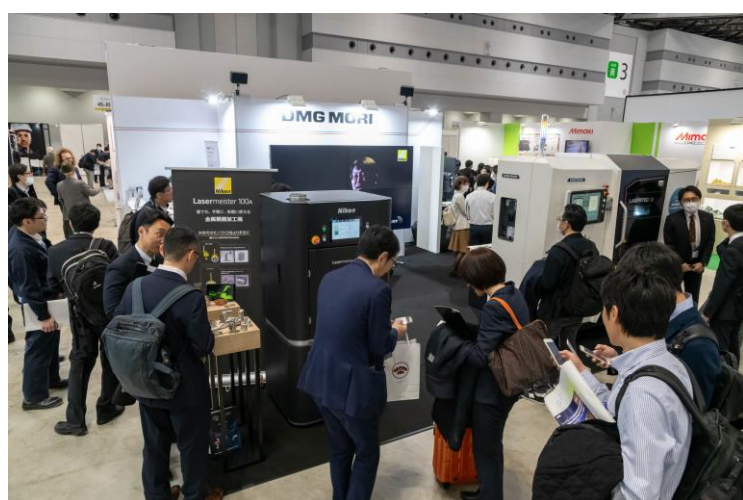
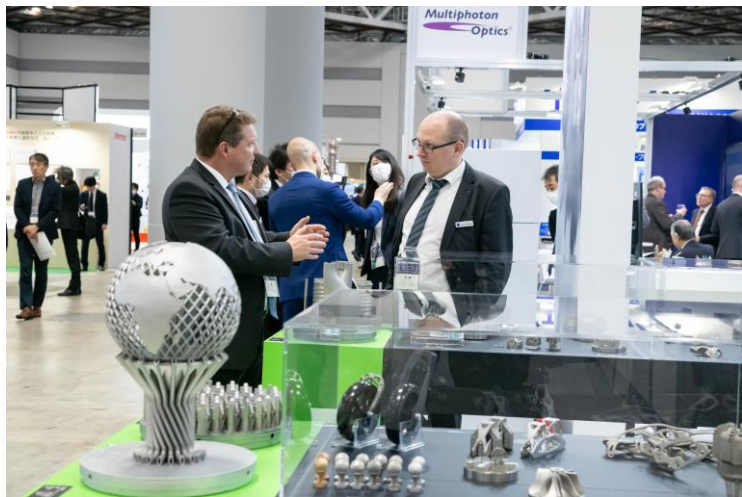
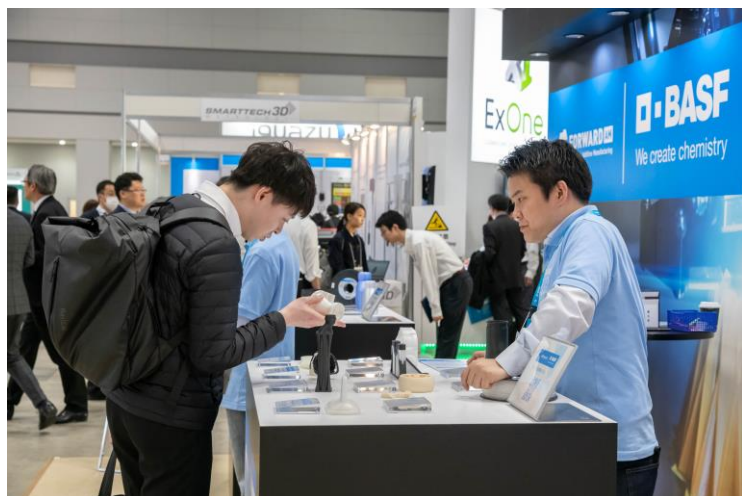
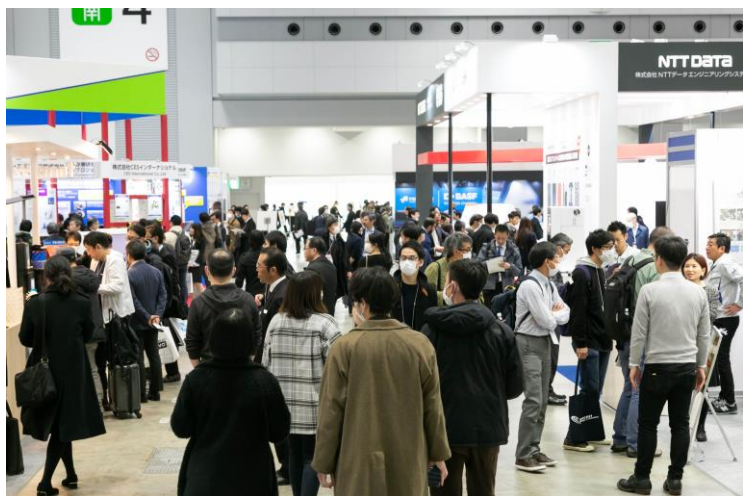
16:00 ~ 16:45

Next-generation laser "Green Laser" that would be feasible of additive manufacturing of pure copper. Introduction of metal 3D printer products "TruPrint" series

Mr. HIROYUKI OKA
Manager
Laser Division 3D Printing & LMD
TRUMPF



Show Gallery

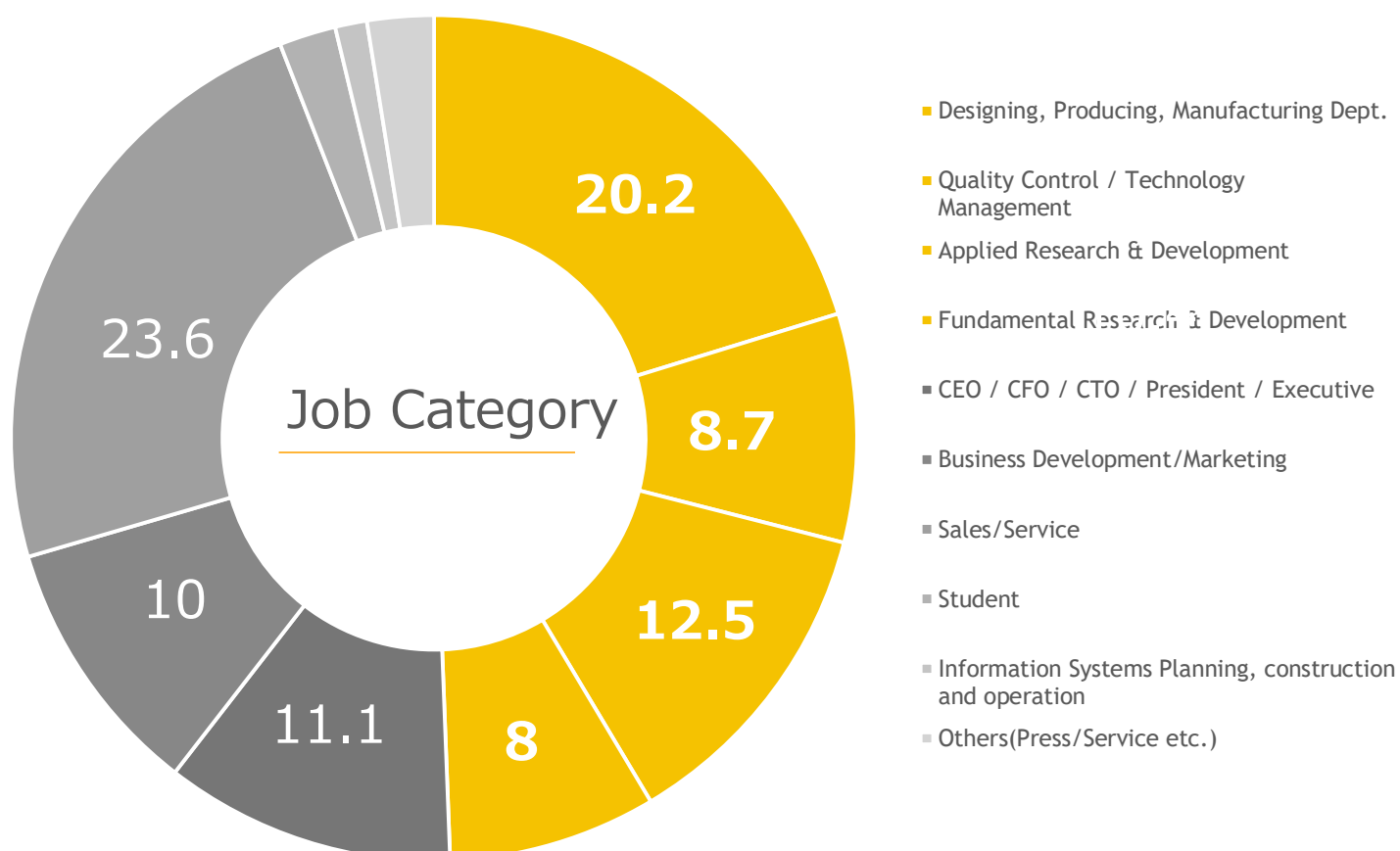
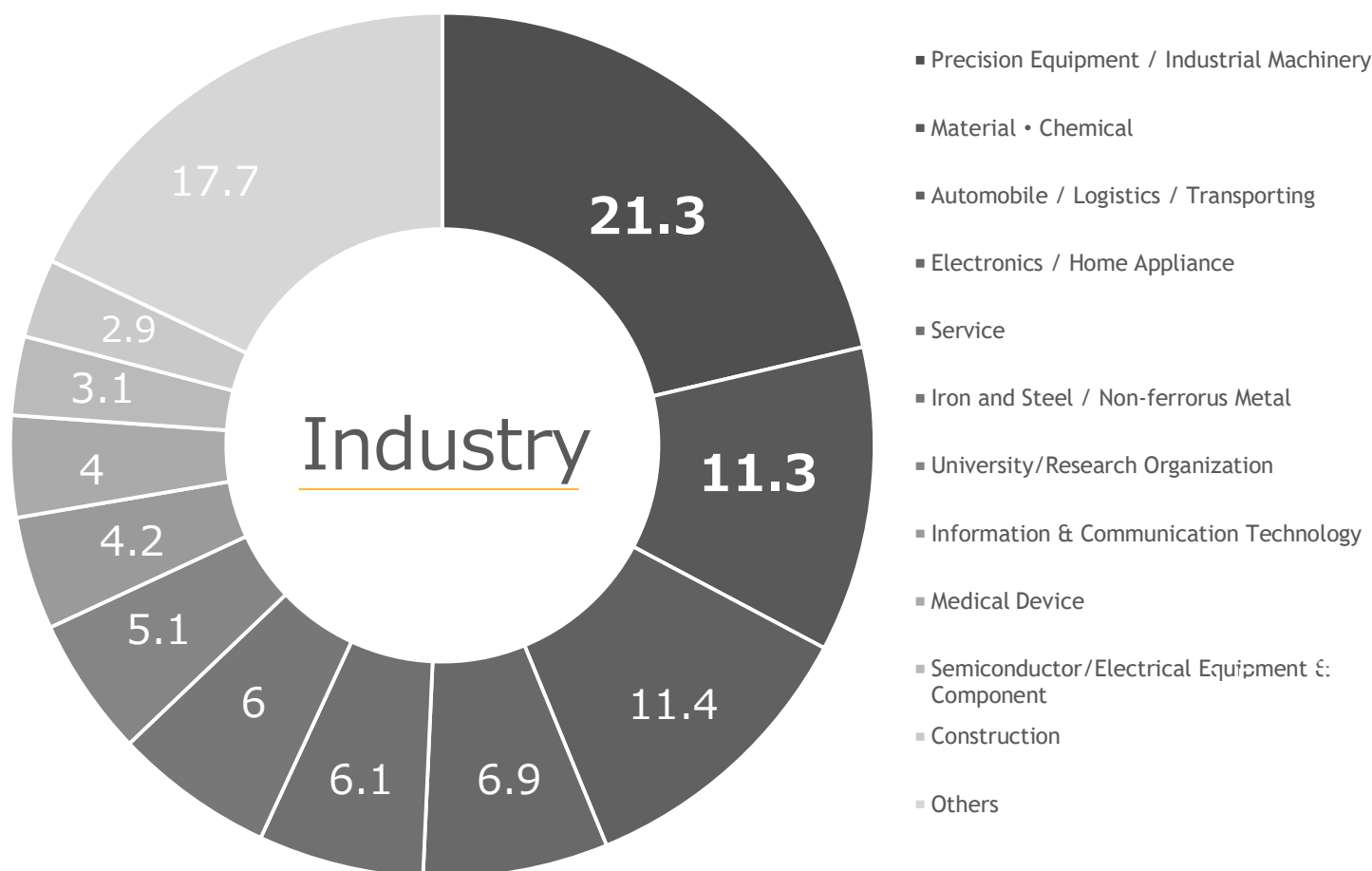


Show Gallery



Visitor Profile

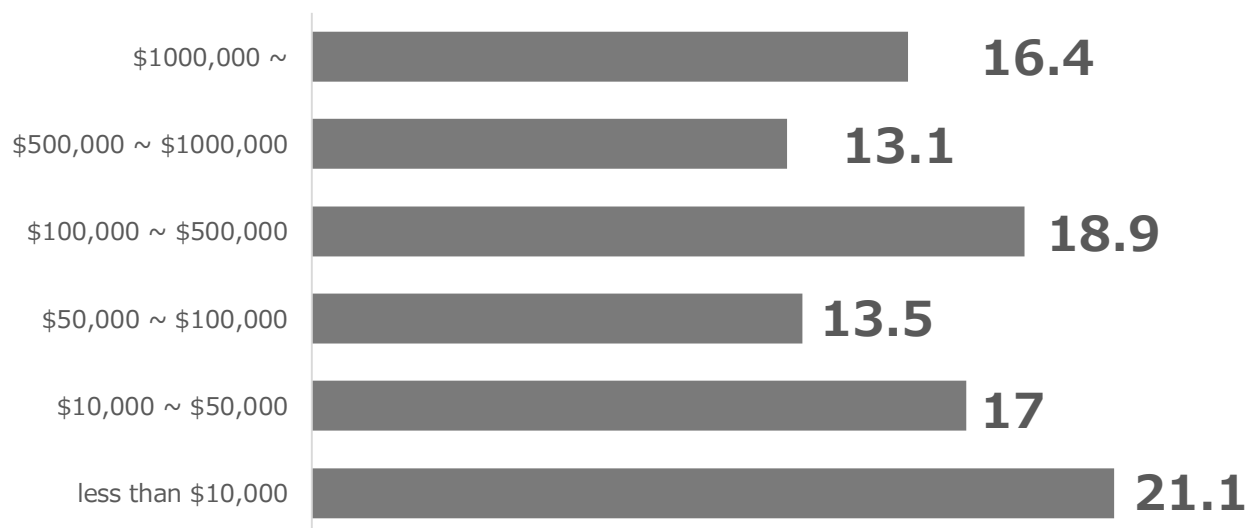
50% of visitor from designing, producing, and R&D dept.





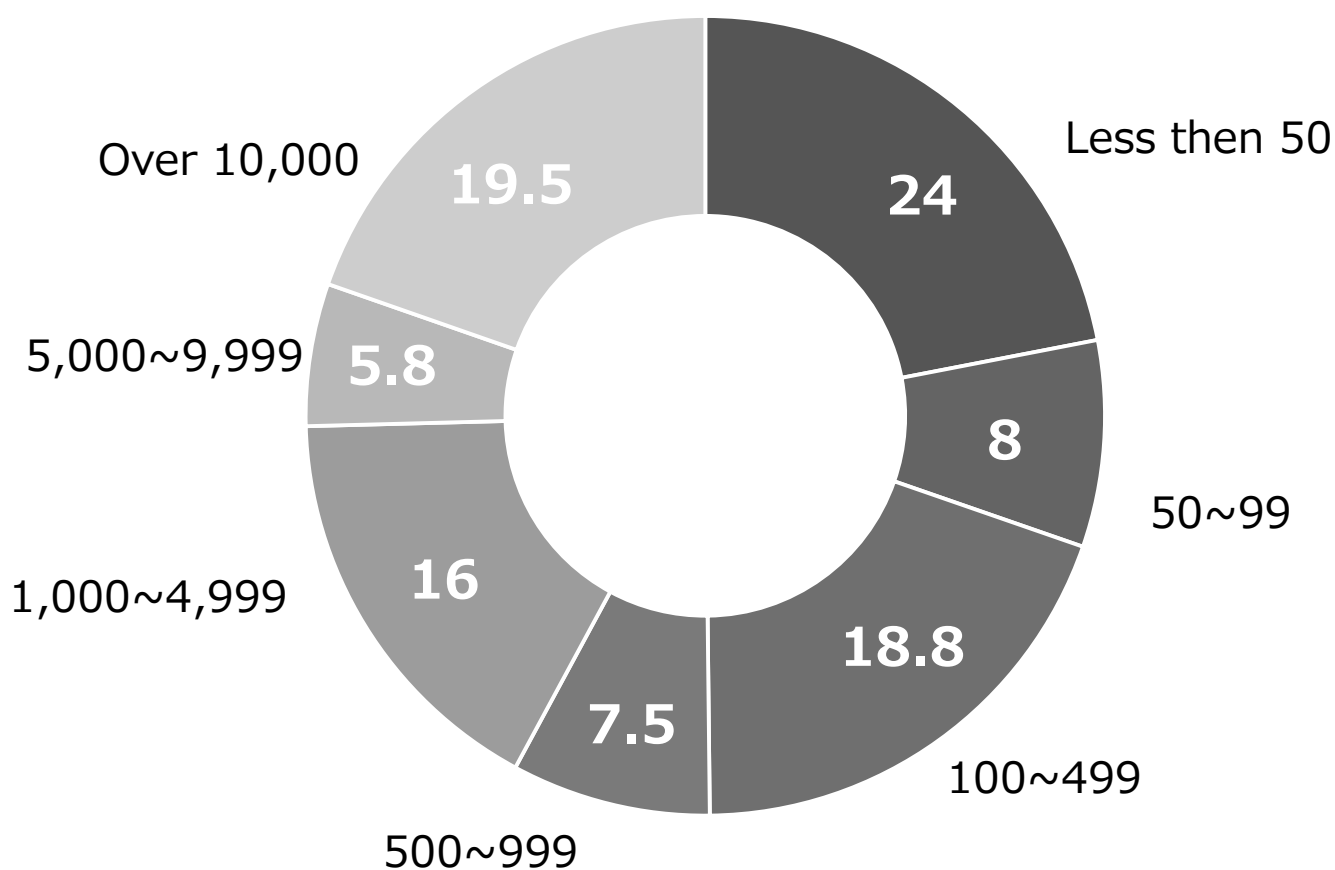
Visitor purchase budget. (%)

Around **30** % of TCT Japan attendees had budgets that exceeded over \$500,000.

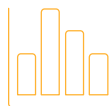


Company Size

Various of companies are looking to invest to the Additive Manufacturing market.

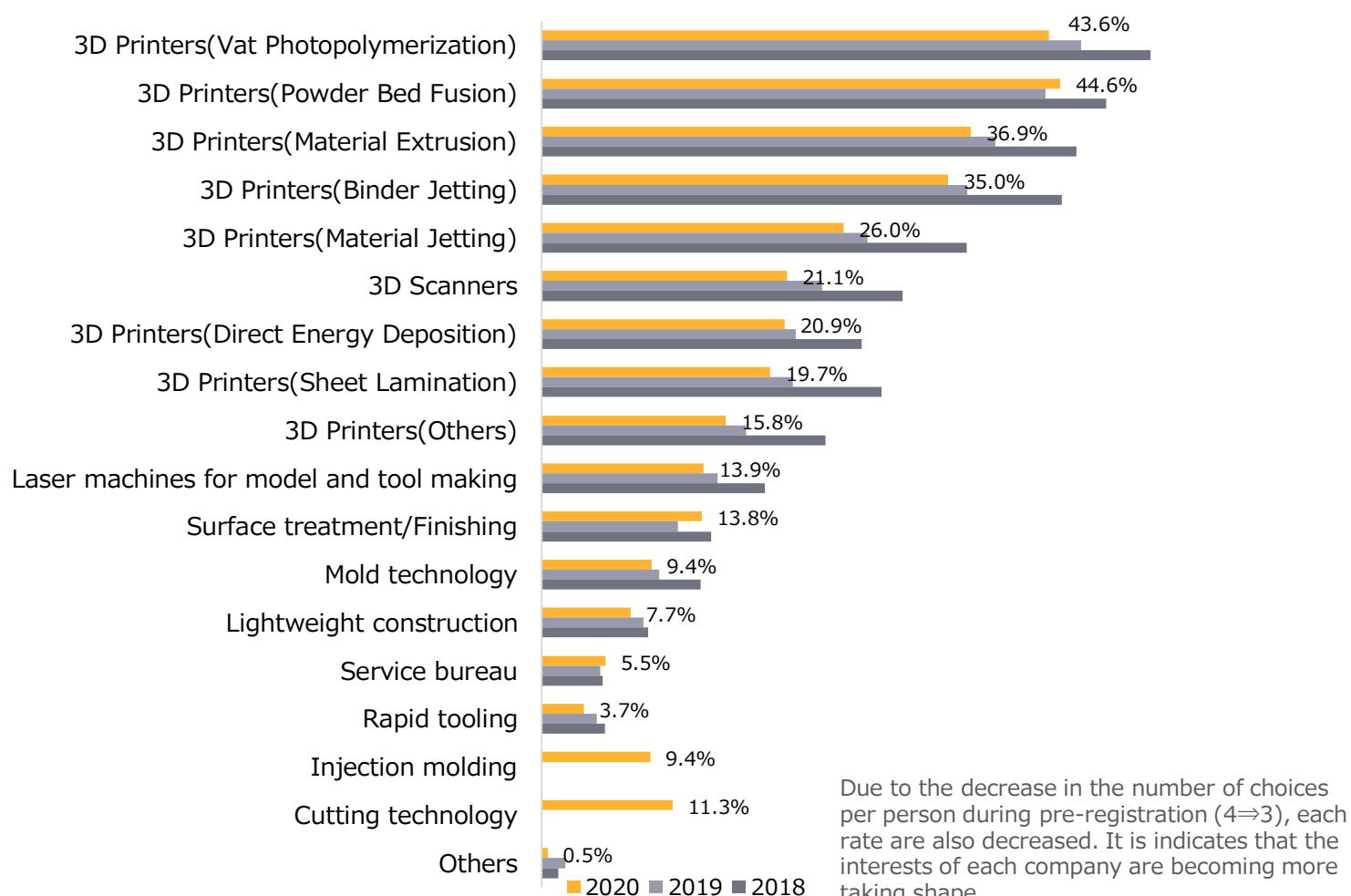


Visitor profile

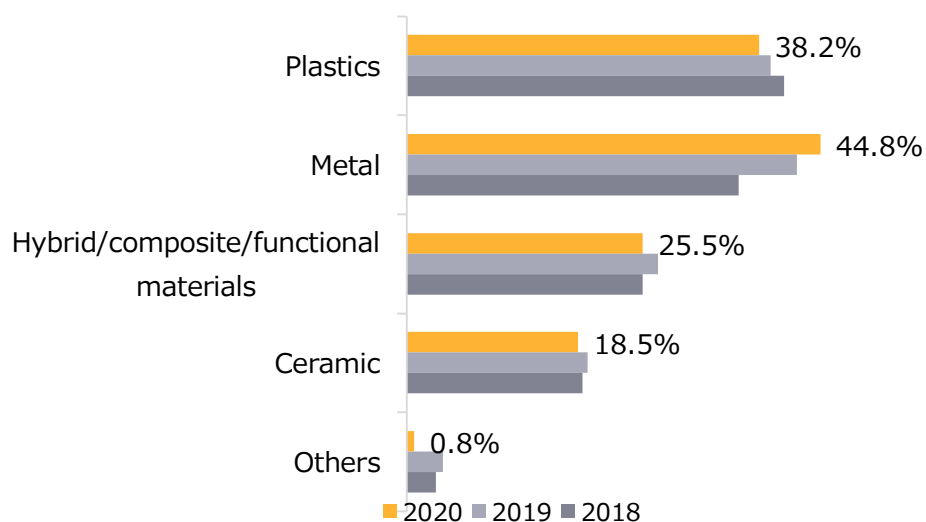


TECHNOLOGIES EVALUATED ※multiple responses

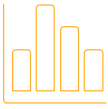
Machines, Equipment, Tools and Technology



Materials



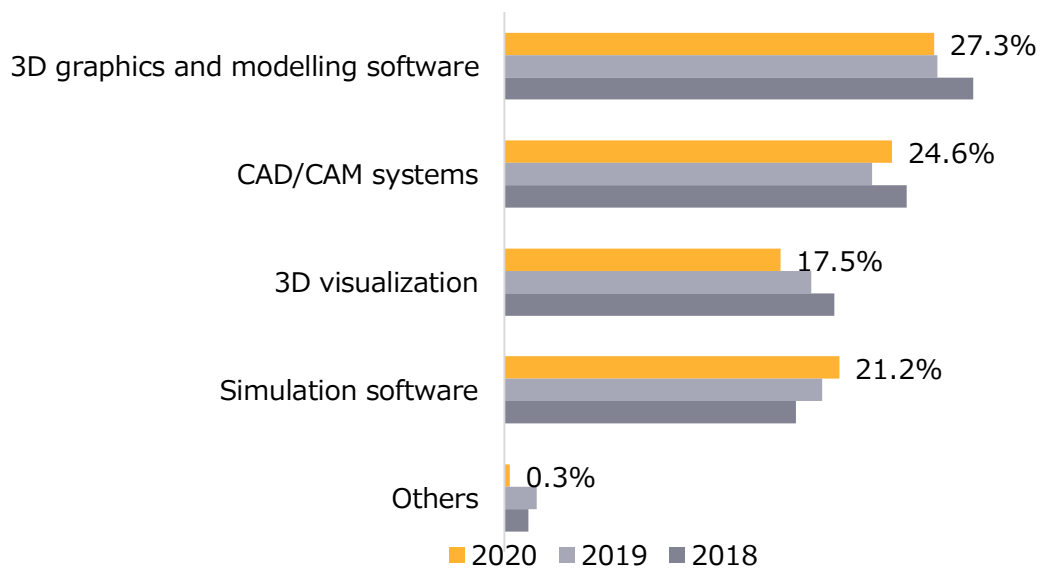
Visitor profile



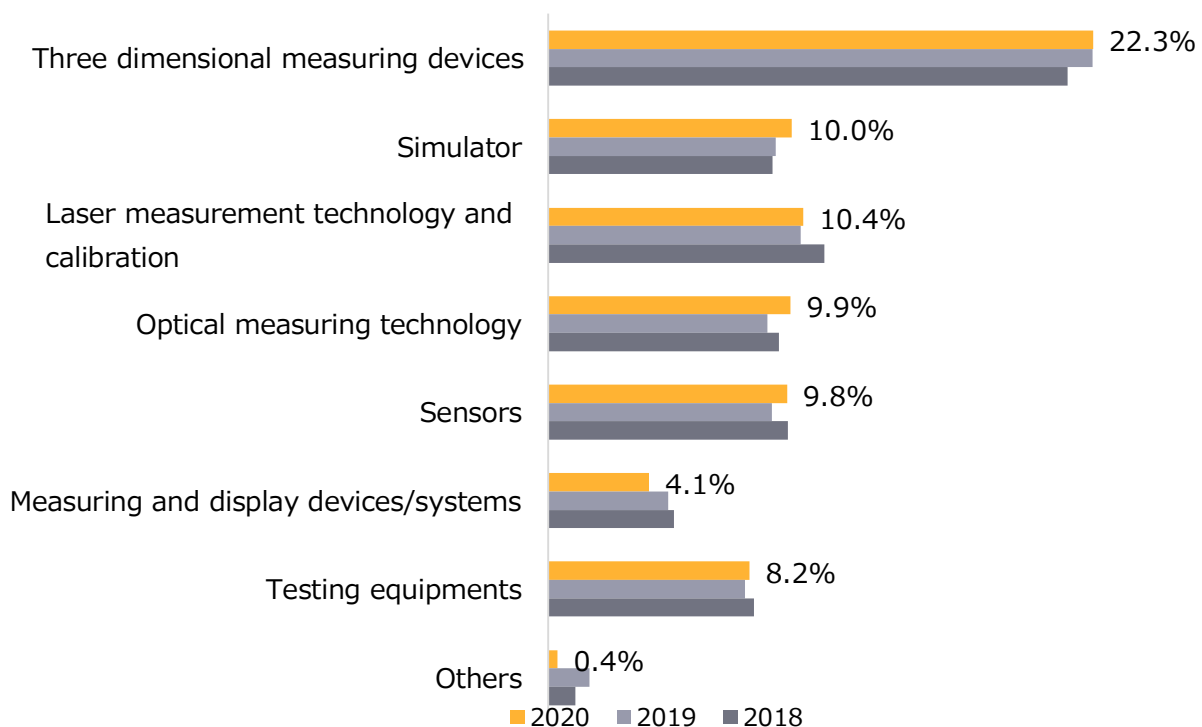
TECHNOLOGIES EVALUATED

※multiple responses

Software



Device for measurement, control, verification



Visitor profile



Top Attendee

Automobile / Logistics / Transporting

AISIN SEIKI
 AISIN AW
 AKEBONO BRAKE INDUSTRY
 BRIDGESTONE
 DENSO
 HINO MOTORS
 HONDA
 ISUZU
 KOMATSU
 MITSUBISHI HEAVY INDUSTRIES
 NABTESCO
 NISSAN MOTOR
 SUBARU
 SUZUKI
 TOYOTA
 YAMAHA MOTOR

Electronic / Home Appliance

CASIO
 EPSON
 FUJITSU
 JVC KENWOOD
 LENOVO JAPAN
 MITSUBISHI ELECTRIC
 OMRON
 PANASONIC
 SONY

Sports / Apparel / Consumer Product

BANDAI
 EPOCH
 JINS
 MIZUNO
 ORIENTAL LAND
 PILOT
 SEGA
 TAKARA TOMY
 YAMAHA
 YKK

Precision Equipment / Industrial Machinery

AMADA AI INNOVATION
 BROTHER
 CANON
 DIC
 HITACHI
 IHI
 KOMATSU
 KONICA MINOLTA
 NIKON
 OLYMPUS
 PANASONIC
 RICOH
 SEIKO EPSON
 SHIMADZU
 SODICK
 TOPPAN
 TOSHIBA

University/Research Organization Public Agency

ACQUISITION, TECHNOLOGY & LOGISTICS AGENCY
 ECONOMIC AFFAIRS BUREAU, CITY OF YOKOHAMA
 INDUSTRIAL RESEARCH INSTITUTE OF NIIGATA PREFECTURE
 JAPAN AEROSPACE EXPLORATION AGENCY
 KAWAGOE JUVENILE PRISON
 KOBE DESIGN UNIVERSITY
 MINISTRY OF DEFENSE
 MINISTRY OF ECONOMY, TRADE AND INDUSTRY
 THE UNIVERSITY OF TOKYO
 TOKYO DENTAL COLLEGE
 TOKYO INSTITUTE OF TECHNOLOGY
 TOKYO METROPOLITAN GOVERNMENT
 UNITED STATES DEPARTMENT OF DEFENSE
 YOKOSUKA U.S. NAVAL BASE

TCT Japan 2021 -Overview-

Organizer Jtb Communication Design



Date 27 - 29 January, 2021

Time 10:00-17:00

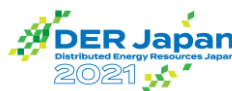
Venue East Hall 1, Tokyo Big Sight,
Japan

Visitor 50,000(Included co-located shows)

Prospectus https://www.tctjapan.jp/pdf/TCT2021_E.pdf

Application form <https://application.jcdbizmatch.jp/en/nanotech2021/TCT>

Co-located shows :



Atten: Masaya Yamagata

Secretariat of TCT Japan

c/o JTB Communication Design, Inc.

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DESIGN-TO-MANUFACTURING INNOVATION



WWW.TCTGROUP.COM

WWW.TCTJAPAN.COM

Jtb Communication Design

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