Tokyo's Innovative Technologies

Winners of the Tokyo Venture Technology Award

2018

TOKYO
METROPOLITAN
GOVERNMENT

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Summary Table

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Corporate Name	JAG Seabell Co.,Ltd.		
Product name	Ultra Low Head STREAM		
Feature	Ultra Low Head STREAM is the world's first hydropower generation system which owns dual turbines and can generate electricity in lower head drop with higher performance.		
T E L	+81-3-3237-9634	F A X	+81-3-3288-5882
U R L	http://www.jagseabell.jp/english		

Page 20			
Corporate Name	MIRAI-LABO CO.,LTD.		
Product name	X-teraso Rechargeable Battery-Powered Specialty Light Washer		
Feature	Ultra-lightweight battery-powered waterpoof and noise-free portable adjustable light fixture with patented cutting-edge technologies. Extremely useful for construction lighting and emergency lighting applications.		
T E L	+81-42-673-7113	F A X	+81-42-665-1577
U R L	http://mirai-lab.com/		

Page 24			
Corporate Name	Eco Research Institute Ltd.		
Product name	Paper powder reinforced plastic composite "MAPKA®"		ERI Eco Research Institute Ltd.
Feature	・New plastic composite with high renewable material content to reduce fossil-based material to replace conventional plastics ・Waste paper from paper companies and/or paper products factories can be used to dramatically lower carbon footprint ・Unlike other natural fibers, MAPKA® demonstrates consistent high quality and works well with traditional plastics		
T E L	+81-3-5428-3123	F A X	+81-3-5428-3245
U R L	http://www.ecobioplastics.jp		

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Page 29			
Corporate Name	euglena Co., Ltd.		
Product name	The outdoor mass cultivation technology of *Euglena*		
Feature	Achieved the world's first successful outdoor mass cultivation of *Euglena* in December 2005. *Euglena* has a characteristics that can be used as a food, fiber, feed, fertilizer and fuel. Food items and cosmetics have been developed and currently available on the market. Biojet fuel R&D project with Chevron Lummus Global LLC as a new energy source is currently in progress.		
T E L	+81-3-3453-4907	F A X	+81-3-5442-4907
U R L	www.euglena.jp/		

Page 31			
Corporate Name	Synthera Technologies Co., Ltd.		
Product name	MUSTag		
Feature	Clinical Diagnostics Ultra-high sensitivity, Simultaneous multiple measurement (3-plex), Easy-to-use Wide application		
T E L	+81-3-3263-8114	F A X	+81-3-3263-8114
U R L	http://www.synthera.co.jp/		

Page 33			
Corporate Name	Biotherapy Medical Co., Ltd.		
Product name	Medical Maggot (Free Maggot, Maggot Bag)		
Feature	Sterilized maggots for treating chronic wounds		
T E L	+81-749-53-1485	F A X	+81-749-53-1484
U R L	http://www.btmcl.com/		

Page 37			
Corporate Name	On-chip Biotechnologies Co. Ltd.		
Product name	Microfluidic chip Cellsoter “On-chip Sort”		
Feature	■Damage-free sorting ■Contamination-free sorting ■Sorting in the culture medium ■Small size and maintenance free ■Sorting of precious samples		
T E L	+81-42-385-0461	F A X	+81-42-385-0462
U R L	http://www.on-chip.co.jp		

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Page 42			
Corporate Name	PHOTON Design Corporation		
Product name	SiC Semiconductor Inspection Tool「SemiScope」		
Feature	The first inspection tool for SiC semiconductor using photoluminescence (PL) imaging method in the world.		
T E L	+81-3-5249-5705	F A X	+81-3-5249-5706
U R L	http://www.photondesign.co.jp/		

Page 44			
Corporate Name	Aspect Inc.		
Product name	Laser sintering platform “RaFaEl”		
Feature	This high-speed additive manufacturing platform produces three-dimensional parts by selectively fusing powder materials (various polymers and metals) using a laser. Large work size (max.55×55×50cm). Minimum wall thickness of 0.204mm with a fiber laser.		
T E L	+81-42-370-7900	F A X	+81-42-370-7901
U R L	aspect.jpn.com		

Page 48			
Corporate Name	NejiLaw inc.		
Product name	L/R neji		
Feature	Nut which never loose “L/R neji” is a combined nut & bolt body which does not have spiral structure.		
T E L	+81-3-6712-8820	F A X	+81-3-6712-8821
U R L	http://www.nejilaw.com		

Page 52			
Corporate Name	Metrol Co.,Ltd.		
Product name	Air Micro Switch “DPA-A2”		
Feature	Applying the principle of air micrometers, adhesion and seating of detected objects can be confirmed without contact. (OK/NG)Prevents processing defect.DPA-A2 has IP67 protective structure. Able to work under harsh conditions, which allows for installation inside the machine tools. Enable to shorten air piping, which improves response speed, and realizes higher accuracy.		
T E L	+81-42-527-3278	F A X	+81-42-528-1442
U R L	http://www.metrol.co.jp/		

Page 56			
Corporate Name	FS Technical Co,.Ltd.		
Product name	FS Column Method		FST
Feature	New technique to fix stony slab used at interior and exterior wall.		
T E L	+81-3-5671-3134	F A X	+81-3-5671-3090
U R L	http://www.fs-tec.co,jp		

~ Industrial Technologies ~

Page 60			
Corporate Name	Unipulse Corporation		
Product name	Contact-less Rotating Torque Meter “UTMⅡ series”		
Feature	By mounting electric circuits on the shaft, contact-less(No slip rings) structure was achieved. Non-contact structure enables high-accuracy and continuous torque measurement. Available in wide measurement range from 0.05Nm to 10000Nm.		
T E L	+81-3-3639-6120	F A X	+81-3-3639-6130
U R L	http://www.unipulse.com/en/		

Page 64			
Corporate Name	SIJTechnology,Inc.		
Product name	Super Inkjet Printer		
Feature	Ejected droplet size of volume is achieved at a level of 1/1000 or less compared with existing inkjets. Super fine electronic components can be created by the printing process (e.g. electronic devices).		
T E L	+81-29-896-5110	F A X	+81-29-896-5111
U R L	http://www.sijtechnology.com/		

Page 68			
Corporate Name	SOMA OPTICS, Ltd.		
Product name	Sun Spectroradiometer “ Hidamari mini ”		
Feature	・Measures the spectral power distributions of an artificial sun used for testing solar batteries. ・Applies the unique technology to achieve smaller size and lower price while measuring a wider range of wavelengths than conventional products.		
T E L	+81-42-597-3256	F A X	+81-42-597-3208
U R L	http://www.somaopt.co.jp/		

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Page 70			
Corporate Name	SHINKO SELLBIC Co., Ltd.		
Product name	Compact Injection Molding Machine "Command Mobile"		
Feature	Desktop super-compact injection molding machine. Remarkably compact : only 17kg weight. Zero operational wastes and small energy consumption.		
T E L	+81-3-3785-7800	F A X	+81-3-3785-7899
U R L	http://www.sellbic.com/		

Page 72			
Corporate Name	TECHNOS JAPAN Corp.		
Product name	Automated Visual Inspection System "NEURO-Vision Sensor Super 5000K 7KModel"		
Feature	An automated visual inspection system to detect microscopic defects with far more accuracy than ever before. 144 times more accurate than the human eye. As well as low contrast defects with 100 times accuracy than the human eye.		
T E L	+81-3-3453-9111	F A X	+81-3-5484-6785
U R L	http://www.technos.jp		

Page 76			
Corporate Name	ATAGO Co., Ltd.		
Product name	Digital Hand-held “Pocket” Refractometer "PAL-1"		
Feature	A surprisingly compact and easy-to-use digital hand-held refractometer. • Light and Compact, 100 g weight • Calibration with water • Measurement in 3 seconds • Extremely water resistant • Ergonomically designed for one-handed operation		
T E L	+81-3-3431-1943	F A X	+81-3-3431-1945
U R L	http://www.atago.net/		

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Page 80			
Corporate Name	TAIYO TORYO CO.,LTD		
Product name	MASKING COLOR		
Feature	Masking Color is a strippable water paint different in concept to conventional paints and can be peeled off after painting. This groundbreaking paint can be used in ways completely different to paints available to date. After freely painting or drawing on the selected surface, the paint can be easily peeled off so that the surface can be repainted, or the peeled off paint can be adhered to a different surface, or the original surface can be readily returned to its former condition.		
T E L	+81-3-3745-0111	F A X	+81-3-3743-9161
U R L	http:www.maskingcolor.com		

Page 82			
Corporate Name	ELIONIX INC.		
Product name	Ultra High Precision Electron Beam Lithography System		
Feature	Ultra fine lithography is achieved by electron beam with a high acceleration voltage of the maximum 125kV and by minimizing beam diameter.		
T E L	+81-42-626-0612	F A X	+81-42-626-6136
U R L	https://www.elionix.co.jp/english		

Page 86			
Corporate Name	MSI.TOKYO, Inc.		
Product name	Multi-Turn Time of Flight Mass Spectrometer		
Feature	Multi-Turn is cutting edge Mass Spectrometer technologies, and has made it possible to create new markets by using high-resolution, compact time of flight instrument.		MSI TOKYO
T E L	+81-42-426-4581	F A X	+81-42-426-4585
U R L	http://www.msi-tokyo.com		

Page 88			
Corporate Name	**Nowla Engineering Co., Ltd.**		
Product name	**The next generation flange pipe joint “CF Joint”**		**CF Joint internal structure**
Feature	**Adopts originally developed self-sealing gasket and Constricting stopper. Mounts readily , with half the usual number of bolts And use short-neck carriage bolts. Half the weight of conventional joints and with a small outside diameter, helping to reduce CO_2.**		
T E L	+81-3-3221-1222	F A X	+81-3-3221-1224
U R L	http://www.nowla.co.jp		

Page 92			
Corporate Name	GRAPAC JAPAN CO., INC.		
Product name	Bri-o-coat®		
Feature	Value-added embellishment technology for decorating printing. ・Fine Bri-o-coat® pattern produced on print surface to realize highly decorative, attractively designed printed matter. ・Ease to design and wide choice of design patterns.		
T E L	+81-3-3616-1290	F A X	+81-3-5630-1186
U R L	http://www.grapac.co.jp		

Page 96			
Corporate Name	TANOI MFG. Co., Ltd.		
Product name	ZERO CHIP TAP		TANOI
Feature	ZERO CHIP TAP is a cutting tap which contains new internal lubricating system. No chip remains in the internal thread and is easily re-grinded.		
T E L	+81-480-90-4003	F A X	+81-480-92-4441
U R L	http://www.tanoi.com/		

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Page 100			
Corporate Name	Security Japan Co., Ltd.		
Product name	Digital&Full Hi-Vision Heat Resistant Camera FURNACECOPE		
Feature	World first Complete, in-furnace insertion type 200℃(～1600℃) Two million pixels& Five million-pixel		
T E L	+81-3-3647-4545	F A X	+81-3-3647-4585
U R L	http://www.security-japan.com/2012_SJ-WEB(ENGLISH)/englishindex.html		

Page 104			
Corporate Name	Tashiro Alloy Inc.		
Product name	Luxury Tin Materials for Interior Decoration "MOONLIGHT"		
Feature	MOONLIGHT is a new luxurious tin covering for tables, countertops, fixtures and walls.		
T E L	+81-3-3844-1638	F A X	+81-3-3844-1699
U R L	http://www.tgmetal.co.jp/		

Page 108			
Corporate Name	Tem-Tech Lab.		
Product name	Saffire™ Vacuum Sensor		 Saffire™ Vacuum Sensor SE1000
Feature	Presented herein is SE1000; our next-generation Pressure Sensor developed in compact size on a basis of the Tem Tech Lab's leading edge technology, which has developed Japan's first sapphire based Vacuum Sensor. Now, **Stainless Diaphragm** adopted for SE1000 permits product price to be as low as 1/3 of other competing products. Our wise selection of diaphragm material has enhanced cost efficiency. SE1000 further boasts of its unique fabrication of electronic circuit ensuring its high level of performance.		
T E L	+81-3-3534-5320	F A X	+81-3-3534-5322
U R L	http://www.tem-tech.co.jp/		

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Corporate Name	IGUCHI ISSEI CO.,LTD.		
Product name	Stable innovative technology of bending method of thick steel plate		
Feature	・We can match the same level of precision that cutting achieves with our bending process. (dimensions clearance ±0.05mm) ・By improving the conventional bending technique, any unevenness in the thick steel plate will not compromise the process or result. ・Cutting produces a lot of waste and is not time effective. The precision and efficiency of our technique means we can save you 30%-50% on cost, materials and production time without compromising on the quality of the results.		
T E L	+81-4-2990-5400	F A X	+81-4-2990-5402
U R L	http://www.iguchi.ne.jp/		

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Corporate Name	ON-ART Corp.		
Product name	*Allosaurus* - A life-size, realistic, walking dinosaur		
Feature	A walking dinosaur of convincing appearance created by our patented technology. As it walks around and roars freely, you could think that the dinosaur is really alive.		
T E L	+81-424-76-5644	F A X	+81-429-07-7571
U R L	http://www.on-art.jp/		

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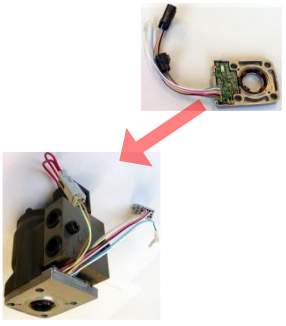
Corporate Name	AMITEQ Co.,Ltd.		
Product name	Steering Angle Sensor & Controller for Forklift Vehicle		
Feature	Compensating the drift of the Forklift steering position due to the hydraulic leakage of the Power Assist Motor using a noncontact steering angle sensor and microcomputer controller.		
T E L	+81-42-656-1052	F A X	+81-42-656-1054
U R L	http://www.amiteq.com/index.html		

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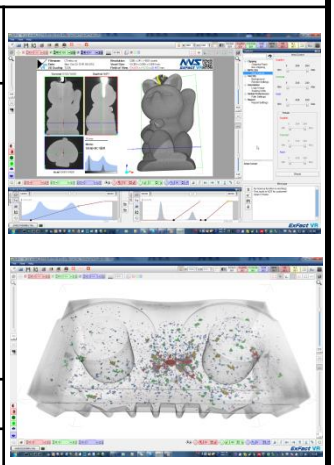
Corporate Name	ASHURASCOPE INSTALLATION Co., Ltd.		
Product name	Ultra realistic-Projection mapping “MEDIARIUM”		
Feature	・Unlike the theater-type of “Projection Mapping”, it generates the video space for everyone to experience. ・By the fusion of different medium, such as architecture, video, music and lighting, it generates a highly realistic space. ・Its technique of multi-angle "Projection Mapping" enables the viewers to see the screen freely from any direction.		
T E L	+81-3-5843-7472	F A X	—
U R L	http://www.projectionmapping.biz/		

Page 127			
Corporate Name	AI, Inc.		
Product name	AITalk® Custom Voice®		
Feature	-Enables natural text-to-speech from recorded audio data of an individual, based on a method called corpus-based speech synthesis. -We provide an original voice data base of an individual, from approximately 1~5hours of recorded audio data.		
T E L	+81-3-6801-8461	F A X	+81-3-6801-8462
U R L	http://www.ai-j.jp/		

Page 129			
Corporate Name	NAVITIME JAPAN Co., Ltd.		
Product name	NAVITIME		
Feature	NAVITIME is the Total Navigation solution that allows users to plan travel routes from various transportation methods - including trains, subways, buses and taxis. Smartphone web services for Transit are available in English.		
T E L	+81-3-3402-0701	F A X	+81-3-3402-0858
U R L	http://corporate.navitime.co.jp/en/index.html		

Page 131			
Corporate Name	Nihon Visual Science, Inc.		
Product name	ExFact VR 2.1		
Feature	・ExFact VR enables you to redistribute and visualize 3D data easily. ・ExFact VR visualizes a series of tomography images obtained from X-ray CT, MRI or 3D imaging device scanner as 3D data. ・ExFact VR outputs all information regarding 3D data as compact files, enables you to redistribute for third party and play high-quality images easily.		
T E L	+81-3-5155-5561	F A X	+81-3-5155-5560
U R L	http://www.nvs.co.jp/		

Page 135			
Corporate Name	AIOI·SYSTEMS CO.,LTD.		
Product name	Visible RFID Tag “Smart Tag”		
Feature	・Information in a built-in IC chip can be displayed on e-Paper without a reader ・Water proof, dust proof IP55 compliant ・Power -saving design enables rewriting on 2.0” tags 10,000 times. And the battery-less Smart Card achieves 1,000,000 times rewritable. ・Using Smart phone as a reader/writer helps with communication and its GPS feature can facilitate work.		
T E L	+81-3-3764-0228	F A X	+ 81-3-3764-7520
U R L	https://www.hello-aioi.com/en/		

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