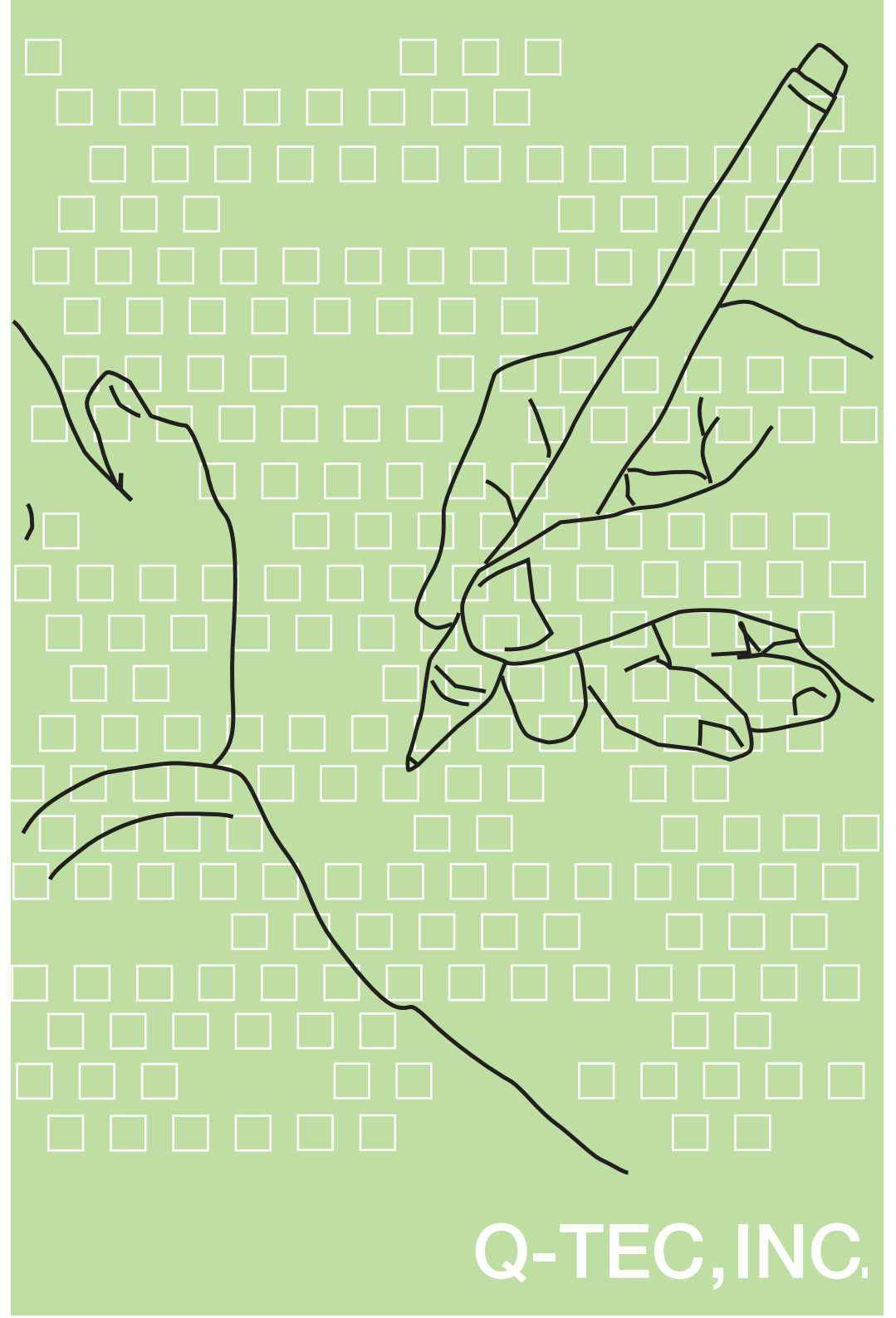




# Company Profile



# Company Information

## Timeline

Company Name	Q-TEC, Inc.
President & CEO	Toru Kajio
Head Office	6-14-15 Akasaka, Minato-ku, Tokyo 107-0052, Japan
Founding	April 1, 1989
Capital	90 million yen
Stock Holders	Memory-Tech Holdings, Inc.
Affiliates	Bamboo Mountain, Inc.
Number of employees	217 (as of April 2014)

- March 1981: LaserDisc, Inc. established in Meguro-ku, Tokyo; video/audio editing studio built and LaserDisc production officially launched
- April 1989: Q-TEC, Inc. established in Minato-ku, Tokyo; wide-ranging post-production services launched
- October 1996: Pioneer Video Corporation becomes largest stock holder
- August 1997: DVD encoding/authoring services officially launched
- July 2001: Studio MESA commercial post production operation rights acquired from Ichiju Inc.
- October 2002: Business alliance for DVD replication and other services formed with Memory-Tech, Inc. following transfer of disc business from Pioneer Video Corporation
- March 2003: Pioneer Corporation becomes largest stock holder
- April 2004: Q-TEC becomes independent from Pioneer Corporation through MBO
- April 2005: Memory-Tech Corporation becomes largest stock holder
- April 2007: Studio business inherited from Memory-Tech Corporation.
- October 2007: Decoloco Inc. animation filming company established (absorbed into Graphinica, Inc. in April 2010)
- February 2008: Opens Japan's largest authoring facility in Akasaka.
- April 2009: Digital video (CG/VFX) business inherited from Gonzo, K.K.; wholly-owned subsidiary Graphinica, Inc. established
- May 2010: Suginami Creative Center established; Graphinica, Inc. operations moved to new center
- November 2011: Stake acquired in Bamboo Mountain, Inc. (Fukuoka City, Fukuoka Prefecture), a CG production company for gaming machines; it becomes a subsidiary.



## Q-TEC

< Main Businesses >

Editing, MA, telecine, BD/DVD encoding/authoring,  
 High-resolution digital up-conversion, digital remastering,  
 film scanning, CG/VFX, DI, 3D (shooting, 2D-3D conversion, editing, etc.),  
 planning/directing/system proposals, shooting/production, proprietary production software,  
 encoding for streaming/distribution, data conversion,  
 translation/subtitling services



Offices: Akasaka Head Office Studio, Akasaka Studio 2, Suginami Creative Center

## GRAPHINICA

< Main Businesses >

3DCG Video Production  
 Color Design/Special Effects  
 Anime Production/Illustration  
 Anime Filming  
 Editing  
 VFX (Photography, PV/CM, etc.)  
 Graphic Design  
 Game Screen Design



Location: Suginami Creative Center

### Company Information

Name: Graphinica, Inc.  
 Founding: April 22, 2009  
 Capital: 20 million yen  
 Number of Employees: 183  
 President and CEO: Nobuhiro Ito  
 Main Stock Holder: Memory-Tech Holdings Inc.  
 Business Description: CG/VFX Digital Video Production  
 Location:



Headquarter : 2F, 5-17-13 Narita-Higashi, Suginami-ku, Tokyo 166-0015  
 Sapporo Studio : 5F, 12-4-69 Odori-Nishi, Chuo-ku, Sapporo-shi, Hokkaido 060-0042

## BAMBOO MOUNTAIN

< Main Businesses >

Production of visual content for  
 amusement devices such as pachinko/pachislot  
 and for business and home gaming consoles



### Company Information

Name: Bamboo Mountain Co, Ltd.  
 Founding: March 19, 2004  
 Capital: 9 million yen  
 Number of Employees: 21  
 President and CEO: Ryoichi Takeyama  
 Main Stock Holder: Q-TEC, INC.

Businesses:

- Development of visual content for pachinko/pachislot
- Development of visual content for business and home gaming consoles

Location: 7F, 2-17-30 Kego, Chuo-ku, Fukuoka-shi, Fukuoka 810-0023



# Services

## Animation Services

We offer the latest equipment and technologies, but our people are what makes us special

## Post Production Services

Post production with quality, technology, and reliability

## Cinema Services

Pursuing the limits of color management

## CGI Services

Creating the ultimate environments through our group synergy

## 3D Services

We assist in your 3D content production with technologies found nowhere else in Japan

We will enthrall the world with our sublime imaging technologies.

## Amusement Services

Rely on us with your visual content production and authoring needs for amusement devices

## Media Services

A legacy of high-quality audio and video technologies since our foundation

## Digital Archiving Services

Preserving important visual assets for the future: Q-tec's archiving and migration services

## Creative Services

Leave all of your visual production needs to us





Online editing equipment: Quantel iQ/eQ

**We offer the latest equipment and technologies, but our people are what makes us special.**

Since 2000, when digitization of animation production began to take off, Q-TEC has acquired the expertise to improve quality and value of animation, and has been entrusted with numerous projects from its customers.

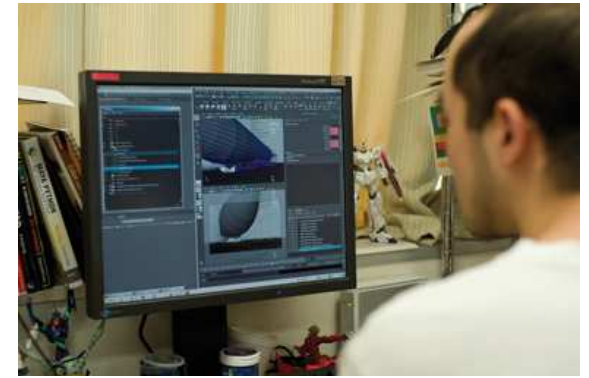
In 2009 we established Graphinica, a subsidiary CG/VFX studio focused on animation.

Going beyond editing services as just post-production, we have provided total coordination in filming, CG production, offline editing, and other services for numerous animation projects.

Constantly keeping up with the latest equipment and technologies, and with an experienced staff that knows animation inside and out, we promise our customers fast, smooth service.



We offer a wide range of services, from character design and other visual development to storyboards and compositing. Our main staff includes animation directors and production/illustration directors, and we handle not only production for game console animation but also prime production for OVA and other animation as well as illustration work for animation.



# Animation Services



Q-TEC, INC.



Our studio was built to designs ideal for digital intermediate work and can be used for editing and color grading in an environment just like a movie theater.

## A thorough approach to color management

Based around our editing room, which has a theatrical environment specially constructed for Digital Intermediate (DI), we have created a workflow that is optimized for production work in the digital cinema age. Our philosophy is “a thorough approach to color management.” Our fully experienced technical experts provide comprehensive support, starting with the technical process from shooting to VFX/CG production, editing, and mastering for cinema, and continuing to post-release videogram and mastering for broadcast use. We always provide the latest technologies, and we can also offer complete coordination from film recording to releasing prints.

# Cinema Services



**Epic Digital Cinema Camera 5K**

We enable 5K resolution shooting, which beats the video industry trend of 4K



**Q-TEC, INC.**

## We assist in your 3D content production with technologies found nowhere else in Japan

The Q-TEC S3D service offers a comprehensive production environment, from the production stage (3D filming, 2D-3D conversion) to 3D editing, DCP production, and Blu-ray 3D production and authoring. Plus, we put our expertise gained through work on numerous S3D productions to use in our production flow and check systems that support output for screens of all sizes, from theaters to handheld game consoles and smartphones, thus enabling consistently high quality.

### 2D-3D Conversion Major Works

Movie: "HARLOCK: SPACE PIRATE"  
© LEIJI MATSUMOTO / CAPTAIN HARLOCK Film Partners

Movie: "AMAZING"(Chinese theatrical live action film )  
© Shanghai Film Group Co. Ltd.

Movie: "Umizaru 3: The Last Message"  
© 2010 FUJII TELEVISION NETWORK INC.ROBOTCOMMUNICATIONS INC. PONY CANYON INC.  
Toho Company, Limited. Shogakukan Inc. Team of A FNS group 27 companies All rights reserved.

Blu-ray 3D "Hipira: The Little Vampire"  
© Katsuhiko Otomo, Mushroom, Shinji Kimura/Hipira Production Committee All rights reserved.

"Hana to Ikimono no Rittai Zukan" for Nintendo 3DS  
© 2011 Nintendo ©2011 Heibonsha

"Evangelion" Collaboration Model  
Docomo NEXT Series SH-06D NERV smartphone



Q-TEC's 3D recording uses the SI-2K Mini, a compact 2K digital cinema camera, and the Freestyle Rig, a compact vertical mirror rig, combined with an SSD flash memory stereo recorder for a shooting system that's the first of its kind in Japan.



# 3D Services



Q-TEC,INC.



Q-TEC's Blu-ray Disc & DVD authoring: More titles than any other studio in Japan

## A legacy of high-quality audio and video technologies since our foundation

Q-TEC's high-definition technologies for packaged media, a product of our experience since the days of LaserDisc, have made great strides in the era of DVD, Blu-ray, and other digital media. We put the wealth of experience our engineers have along with FORS, our original and exclusive high-quality audio/video technologies, and our digital mastering that uses the ARRISCAN 4K-supporting film scanner to work to produce premium-quality masters. From menus, subtitles, encoding and authoring to disc manufacturing, we offer comprehensive and reliable support from start to finish for packaged media production. And our combined expertise in post production allows us to provide high-quality encoding and streaming data file production services to meet all kinds of video streaming needs.

# Media Services

**FORS™**



### FORS (Faithful Original Signal)

Faithfully recording the original audio and video, just as the creator had intended. Working toward high-quality, high-performance media and contributing to further advancements in new-generation video.



### ARRISCAN

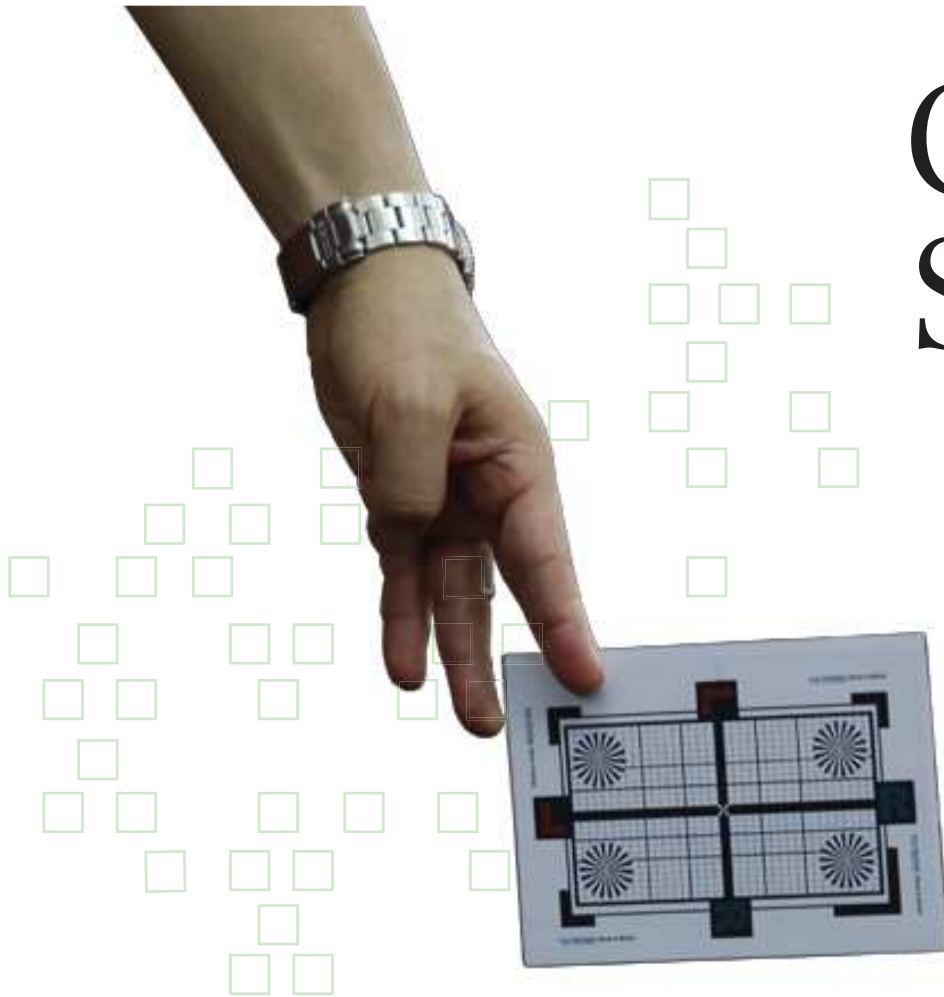
For digital archiving of 35mm film and a wide variety of other video assets.



**Q-TEC, INC.**



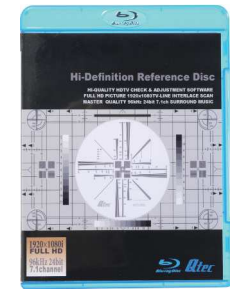
# Creative Services



Leave all of your visual production needs to us

Since the launch of LaserDisc in 1981, Q-TEC has been involved in production of reference software for operational and subjective evaluation for a wide range of video devices. Based on the industry's leading audio and video quality technologies, we can handle TV commercials, programs, various kinds of promotions, packaged media such as Blu-ray and DVD, online streaming, live duplication, 3D and other special effects.

We have also prepared production facilities for 4K, the video format to follow HD. Of course we can produce content for a wide range of fields, from entertainment to broadcasting, sales promotions and research & development. And you can come to us with any and all of your system design, construction, and operation needs for events, exhibition video, digital signage and more.



Hi-Definition Reference Software Series



「THE EARTH」  
Super HI-Quality Audio Reference Disc



## Post production with quality, technology, and reliability

Q-TEC's comprehensive post production service responds to needs for film, SD, HD, 2K, 4K, 3D, digital cinema, streaming, and other formats with reliable technology and superior service. With extensive experience and technologies, our editors, mixers, colorists, and all of our studio engineers support your video production in any genre, for TV programs, commercials, films, packaged media, promotional video and more. And we are putting the creativity and talent of the staff of Studio MESA, which was integrated with our operations in 2003, to work in production of TV commercials and other creative works. And with digitization increasing the needs for various types of input and output, we offer fast support for conversion of data, media, and formats of all types.



# Post Production Services

### < Akasaka Head Office >

**Editing** : 6 linear/non-linear hybrid editing rooms

5 non-linear editing rooms, 1 iQPablo editing room

**MA** : 3 MA rooms and 2 announce booth rooms  
using ProTools HD, Video Satellite System

**Telecine** : With Spirit DataCine high-performance  
Telecine device

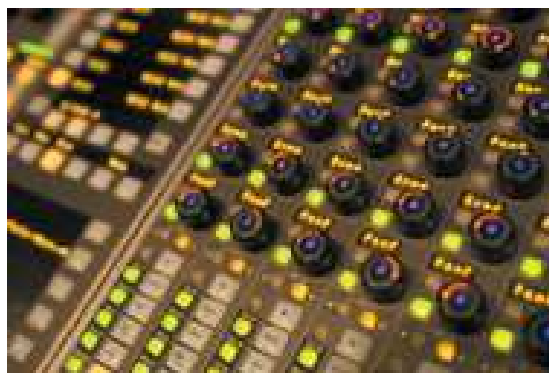
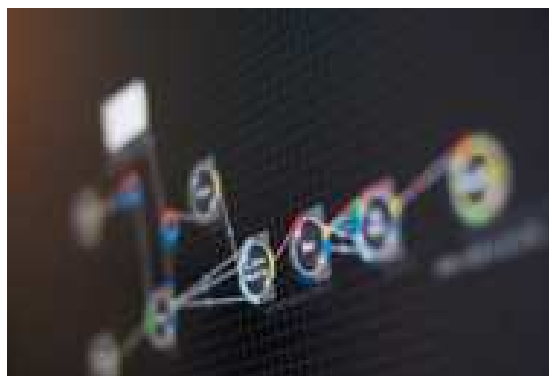
**Color correction system** : Newly added DaVinci Resolve

**Film scanner** : ARRISCAN

### < Suginami Creative Center >

**Editing** : 2 online non-linear editing rooms

5 offline editing rooms



Support for digital component signals (production switchers, DVEs, VTR-LINEs)

An environment that enables a seamless mix of linear and non-linear editing through large-capacity disc recorders and shared VTRs.



**Q-TEC, INC.**

# CGI Services

**Creating the ultimate environments through our group synergy**

CGI (Computer Generated Imagery) technology is essential for the latest visual expression. Our staff uses its artisan techniques to provide visual expressiveness with unlimited scope and possibilities. Since establishing our subsidiaries Graphinica in 2009 and Bamboo Mountain in 2011, we have leveraged the direction and expressive capabilities of each to support the creation of environments that bring out the greatest appeal from works.



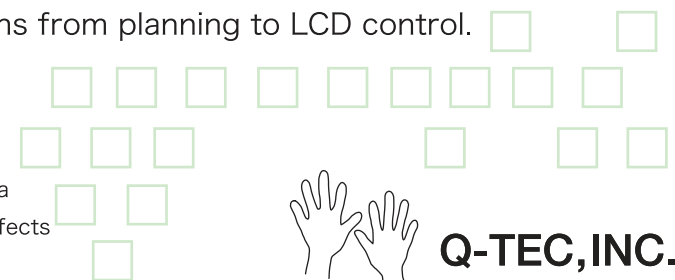
# Amusement Services

**Rely on us with your visual content production and authoring needs for amusement devices.**

The Q-TEC Group is involved in video production for family game consoles and for complete planning and development for the LCD portions of pachinko and pachislot machines. With the close cooperation of Graphinica (Suginami Ward, Tokyo), a total production company that specializes in anime production, and Bamboo Mountain (Fukuoka City, Fukuoka Prefecture), a CG production studio added to the Q-TEC Group in 2011 for LCD portions of family game consoles and amusement devices, we have built a total system that handles orders for services ranging from video production to authoring. We also accept production orders for parts of the process, whether animation, CG, design, authoring, and more. Plus we have expanded into LCD control program development and are striving to provide total solutions from planning to LCD control.

**Development Tools**

- Autodesk 3dsMax
- Autodesk Maya
- Autodesk Motion Builder
- Adobe AfterEffects
- Adobe Photoshop



## Preserving important visual assets for the future: Q-TEC's archiving and migration services

Film libraries are precious assets for our customers. In 2011 Q-TEC began using an ARRISCAN 4K-supporting film scanner and launched its data archiving service. We take the ARRISCAN log data and record it uncompressed to archiving media (LTO, which is highly trusted by the broadcast industry). We will also take responsibility for migration with upgrades of LTO, enabling customers to manage archive data forever with the optimum methods for the times. Plus, we are ready to offer optimized proposals for archiving tape media.



Digital remastering supports up to 2K & 4K sizes  
Careful production according to needs for Blu-ray Disc formatting and digital archiving of film works.



【ARRISCAN Specifications】	
<input type="checkbox"/> Film formats	35mm, 2, 3, 4-perforation, 16mm
<input type="checkbox"/> Imaging device	Custom CMOS area sensor
<input type="checkbox"/> Film transport	Pin registration
<input type="checkbox"/> Frame rate	Single scan 2K (single exposure) 8fps Single scan 4K (6K native) 2fps Double scan 2K (3K native) 5fps Double scan 4K (6K native) 1fps
<input type="checkbox"/> Data format	DPX 10bit log, Cineon 10bit log
<input type="checkbox"/> Main output resolution	2K (2048 x 1556) 4K (4096 x 3112)

# Digital Archiving Services



 **Q-TEC, INC.**

<http://www.qtec.ne.jp/en/index.html>

<Headquarter Studio>

6-14-15 Akasaka, Minato-ku, Tokyo 107-0052

<Akasaka the 2nd Studio>

Akasaka Park Bldg, 10F 5-2-20, Akasaka Minato-ku, Tokyo 107-0052

<Suginami Creative Center>

2F, 5-17-13 Narita-Higashi, Suginami-ku, Tokyo 166-0015

## **【 Q-TEC Group 】**

**Graphinica, Inc.** <http://www.graphinica.com/>

<Headquarter>

2F, 5-17-13 Narita-Higashi, Suginami-ku, Tokyo 166-0015

<Sapporo Studio>

5F, 12-4-69 Odori-Nishi, Chuo-ku, Sapporo-shi, Hokkaido 060-0042

**Bamboo Mountain, Inc.** <http://www.bamboomountain.co.jp/>

7F, 2-17-30 Kego, Chuo-ku, Fukuoka-shi, Fukuoka 810-0023