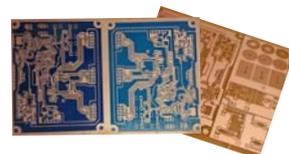
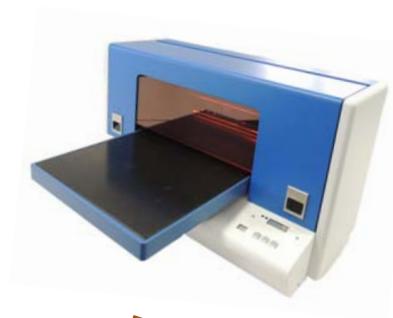


Advanced Future Image Technology

Change to the innovation of printer technology



## Corporate Profile



**AFIT**  
Afit corporation

## Outline

AFIT Corporation (Advanced Future Image Technology) was founded in October 1992. Key activity is to develop advanced printer technologies according to the market requirement. We have long time experience of printer technology and functional material know how. The image technologies provides for industrial application in manufacturing innovation. Our technology is based on electrophotography and Inkjet printer technology.

- Capital : 110 million yen
- Founded Date : October, 1992
- President CEO : Shozo Kaieda
- Place : 3-6-14 Shinmei Hino Tokyo Japan

## Operation

### Industrial Printer Sales

- Industrial Ink jet Printer KEGON line up
- Professional Form LED Printer PP4050 for mailing market
- Printer consumable parts
- Maintenance service



### Development printer technology and Product

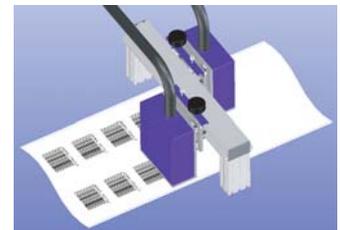
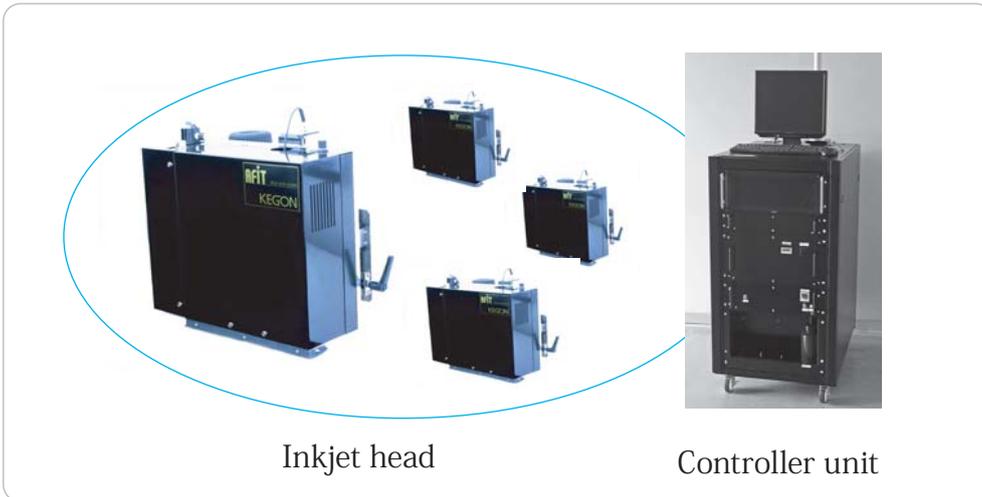
- Development of Printer Technologies and Functional Material
- Development of Laser printer and technology support
- Licensing technology of electrophotography and other technologies
- Custom printer support
- 3D printer technology development

# Product

## High Speed Inkjet Printer Unit KEGON PUX

Mass variable print in mailing business with high speed process  
Print for mailing address, barcode and so on.

Build in printer unit system from 50m/min. to 200 m/min. with 600dpi UV ink.

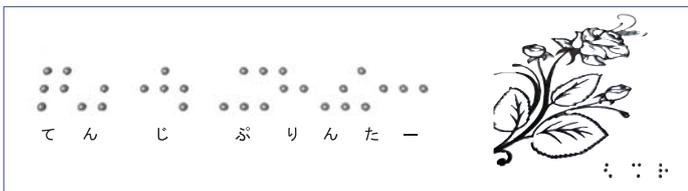


Speed 50m/min. ~200m/min. 600dpi UV ink

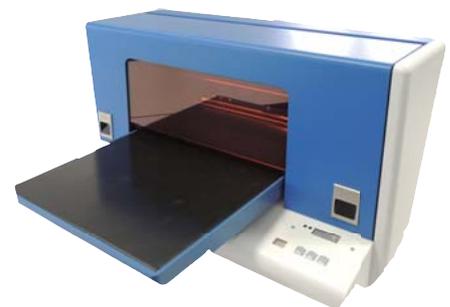
## Compact serial UV inkjet printer KEGON S1

A3 sheet media , thicness 30mm, 1440 dpi maximum resolution

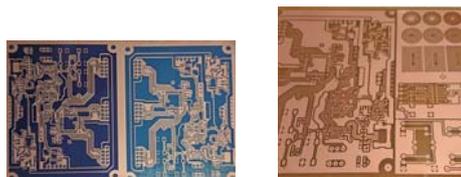
Various print media : Metal sheet, Plastic , Glass sheet, Film, paper



Braille print by 3 times print



Tile Skin



Metal etching mask application

## UV inkjet printer for roll media KEGON-RT2

- Desk top style 40mm width roll tape
- Mono color UV ink, cutter, Output stacker
- Low power dispatation by using DC 24V adapter only.



### Application

- Fablic tape care label print
- Price tag and various tag

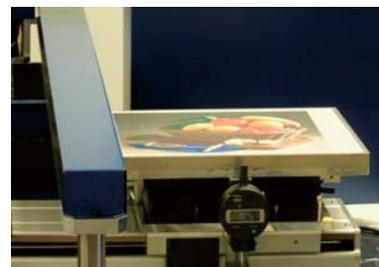
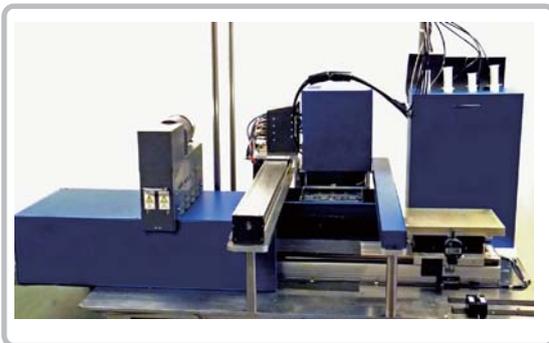


Care label 160 sheets/min.

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## Inkjet printer for sheet media KEGON CS-X

- Custom printer for sheet media
- Many shipments from small model to large type
- Multi color, color, special ink can apply.
- High accuracy



## Fan fold paper Laser printer PP4050

- Compact low price stand alone model
- 15" fan fold paper with tractor feed type
- 2 input cassettes, cutter and output stacker
- No loss page in print job



The product is P*S*i laser in Germany  
Afit is sole agent in Japan

## High reliable laser printer TANZAKU

- Check and TEGATA size printer
- 40 sheets/min. 600dpi
- Special MICR magnetic toner
- Domestic bank only one printer in Japan



## Other product

Printer consumables

Electrophotography consulting

3D Printer functional parts and materials

- Based on past 3D printer development experience,
- Stage treatment material and high temperature
- Compact UVLED module

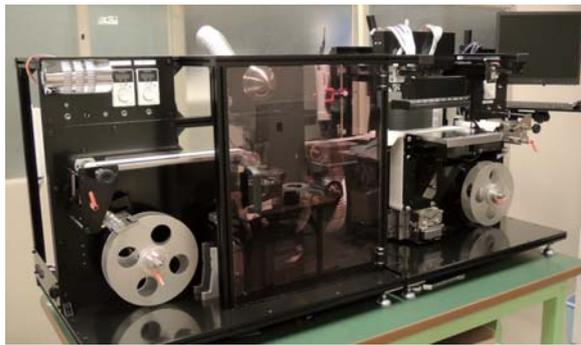


3D printer stage sealants

# Printer Technology

## Inkjet technology for color fabric tape SMATEX

High quality color inkjet blurr control technology for fabric Satin tape  
Sublimation dye ink, Disperse dye ink and others  
Unique heat fixing technology



## 3D Printer technology

Afit developed Photolithography 15 years ago as PLIGRAPHY.  
That was the fastest speed model at that time by using printer technology.  
Recently Fused Filament Fabrication (FFF) type of 3D printer is growing.  
Afit is developing special high temperature hot end head collaborated with  
Hit Research Corporation.  
This unique technology is fitting high performance polymer filament  
more than 300°C~500°C area.

- Small compact shape is possible to develop high accuracy and speed printer.
- 300°C~500°C temperature
- High rise up time by using ceramic heater technology
- Low power disipation about 15W against conventional 150W head.
- PEEK material and other engineering plastic can use.



Collaboration product ;Propaty is belongs to Hit Research Coprotation

# Electrophotography Technology for Metal pigment ZEOMET

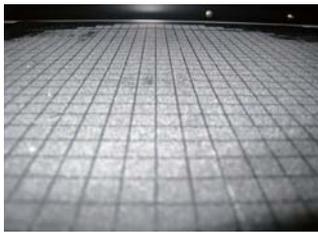
Conductive material Nickel, Cupper and Carbon and so on are modified as toner pigment. Electrophotography technology can use for these metal material as is. We are researching this concept for industrial applications.

**ZEOMET** (Zero Ohm Metal powder Development by Electrophotography Technology)

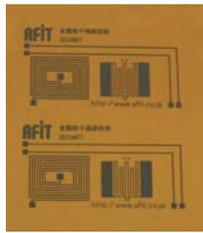


Appication

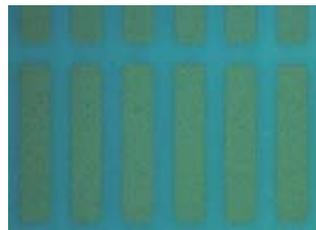
- Direct print for various electrode patterning, print circuit direct patterning
- Direct print solder ball on semiconductor
- Metal heater pattarn print and for glass plate
- Others



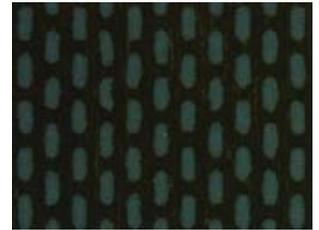
Solder ball on semiconductor IC chip wafer more 1 mill. ball



Nano silver pigment print on Polyimide film



Silver pigment 0.4mm line



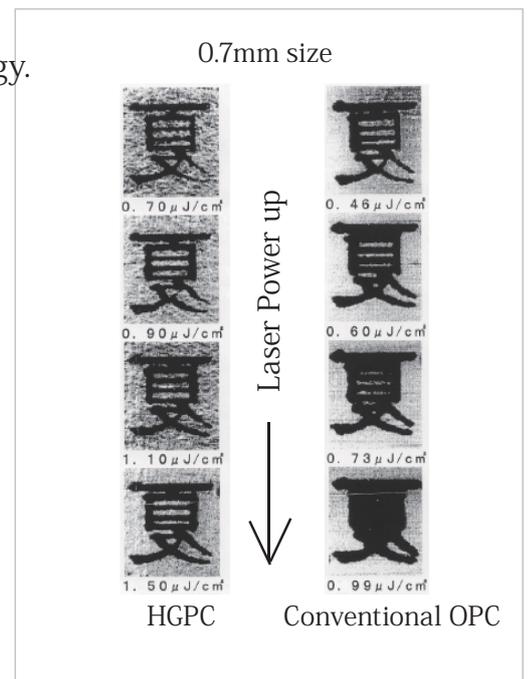
Silver pigment pattern 0.1x0.24mm

# High resolution Photoconductor technology HGPC

High resolution digital reaction photoconductor technology. This shows 4,400dpi and thoritcal analysis acomplished. It got award from Japan Imaging Societ of Japan 2010.



HGPC ; high Gamma PhotoConductor





**AFIT**

Afit corporation

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