Afit succeeded to develop conductive metal powder pigment print instead of the conventional toner in electrophotography technology. Various kinds of metal powder can make image pattern on target media. This technology is called as ZEOMET technology.

This technology can use metal powder such as copper, nickel, gold and silver so on and also apply conductive nano carbon material by adopting the suitable pigment size.

Dramatic manufacturing cost reduction and high efficient manufacturing system will be expected by applying this direct print technology as new printable technology.

Applications
- Fine circuit direct patterning
- Electrorode print for semiconductor wafer
- Patterning by using heater powder material
- Metal shine print and others
Electrophotography technology is transferred the toner material to the plain paper by using electrostatic force. Most popular product is copier and laser/LED printer. Afit is working electrophotography technology for a long time and joining experienced expert electrophotography engineers to make progress in this technology. We succeed to make patterning on the photoconductor drum for conductive metal powder material. Various application will be expected and now proceeding unique application in industries. We have also high resolution digital photoconductor HGPC technology which can generate 4,400 dpi dot on the drum. These two technologies make high resolution metal powder applications in near future.

Required items to study

Kind of metal powder
Pigment size and distributions
Print size
Print speed
Resolution
Transfer media, so on

The development contract will be required for each requirement.
Inquire from afit web site mail page

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