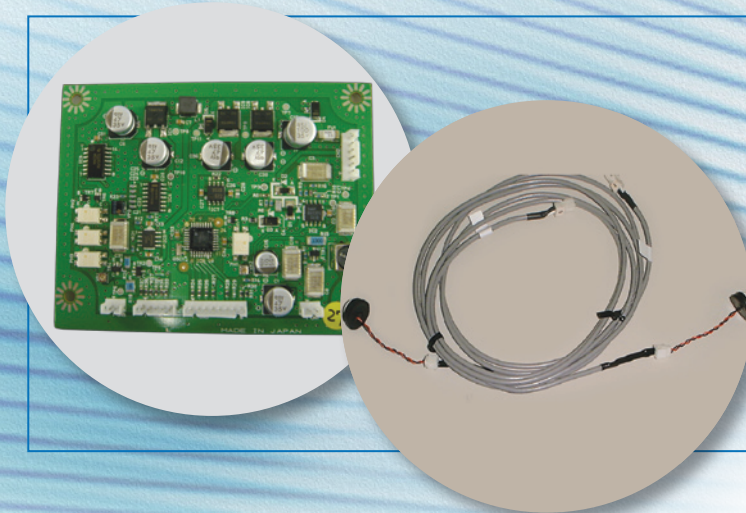


Sensing Devices

Digital Imaging



Double Feed Sensor

- The sensor detects mis-feeding of sheets of paper. It detects two sheets of paper at a time in a scanner.
- It detects mis-feeding of papers with different thickness ranging from 35 ~ 200g.
- Reliability of sensor has been improved with its self-check function.

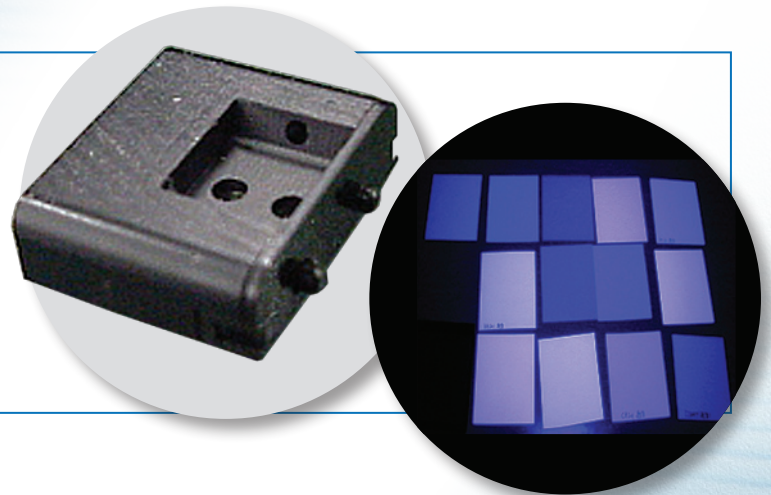
UV Media Sensor

Gloss sensing (Positive & Diffused Reflection)

Differentiate between OHP, Glazed, Plain, Matte

Fluorescent degree distinction

- Measured by UV-LED
- Possible to divide into 4 stages



Applications

Copiers



Printers



Other DI Sensors

- Belt mark sensor
- Toner end sensor
- Toner density & color register mark sensor
- RFID
- SCU

Photomicrosensors

Most people may not realize the fact that Photomicrosensors are built into machines and equipment that are used everyday.

Office Automation Machines

- Copy machines
- Facsimiles
- Printers
- X-Y plotters
- Mouse
- Image scanners
- FDD

Photomicrosensor

Household products

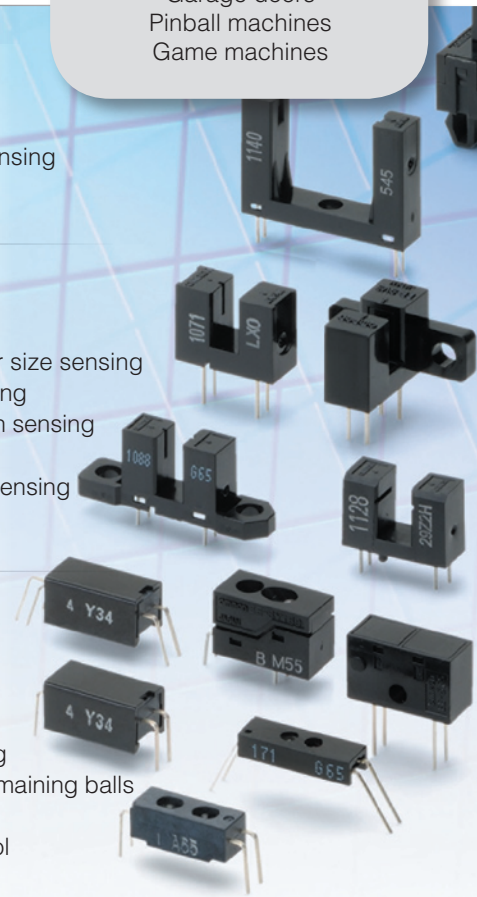
- VCRs
- Camcorders
- Audio equipment
- Microwave ovens
- Air conditioners
- Fan heaters
- Vacuum cleaners

Others

- Automatic vending machines
- Cameras
- Slot machines
- Garage doors
- Pinball machines
- Game machines

Application Examples

	Products	Sensing example
Household products	VCRs Camcorders Laserdisc players Air conditioners/ Fan heaters Microwave ovens Vacuum cleaners	Rotating reel sensing and tape sensing Lens origin sensing and lens control Rotation sensing and disk size sensing Louver direction sensing and fan motor rotation sensing Turntable sensing Carpet and floor discrimination
Office automation machines	Printers Copy machines Facsimiles Floppy disk drives Optical disk drives Image scanners Mouse X-Y plotters	Origin sensing, paper sensing, paper size sensing and ink ribbon end sensing Paper sensing, cassette sensing and toner sensing Paper sensing, black end mark sensing and paper size sensing Disk sensing, origin sensing and write protect sensing Disk sensing, disk type sensing and write protection sensing Origin sensing and movement value sensing Movement direction sensing and movement value sensing Paper sensing, origin sensing, pen sensing and movement value sensing
Others	Automatic vending machines/ Ticket machines Cameras Cash dispensers Robot/Machine tools Sewing machines Pinball machines Slot machines Game machines Garage doors	Coin sensing, coin discrimination and ticket sensing Film forwarding, lens control, and motor control Card sensing, bill sensing, mechanical control Mechanical control Motor rotation sensing and needle position sensing Ball sensing, mechanical control, and sensing of remaining balls Coil sensing and lever sensing Prize sensing, coil sensing, and mechanical control Door opening and closing sensing



>> Omron Electronic Components Asia Pacific

- > Singapore
- > India
- > Malaysia
- > Philippines
- > Thailand
- > Vietnam
- > Indonesia
- > Australia/New Zealand
- > Others

- Tel +65 6446 7400
- Tel +91-80 4123 3038
- Tel +603 7623 6300
- Tel +632 772 3667
- Tel +662 619 0292
- Tel +84-8 3823 7850
- Tel +62-21 897 5108
- Tel +612 9878 6377
- Tel +65 6446 7400

- enquirysg@ap.omron.com
- enquirysg@ap.omron.com
- enquirymy@ap.omron.com
- enquirymy@ap.omron.com
- enquiryth@ap.omron.com
- enquiryth@ap.omron.com
- enquiryid@ap.omron.com
- enquirysg@ap.omron.com
- enquirysg@ap.omron.com

<http://ecb.omron.com.sg>

OMRON