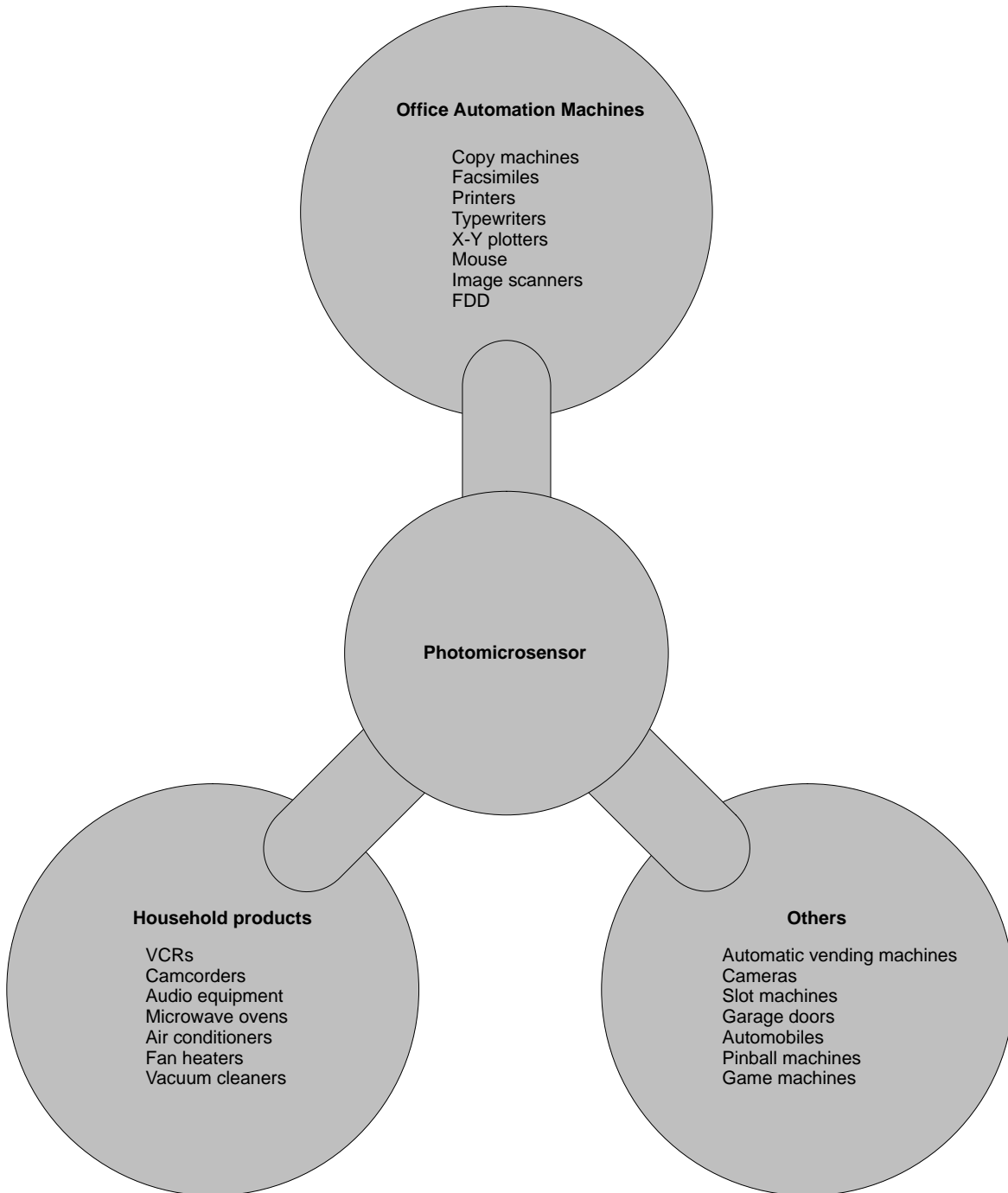


## Application Examples

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Most People May Not Realize the Fact that Photomicrosensors are Built Into Machines and Equipment that are Used Everyday



■ Application Examples

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