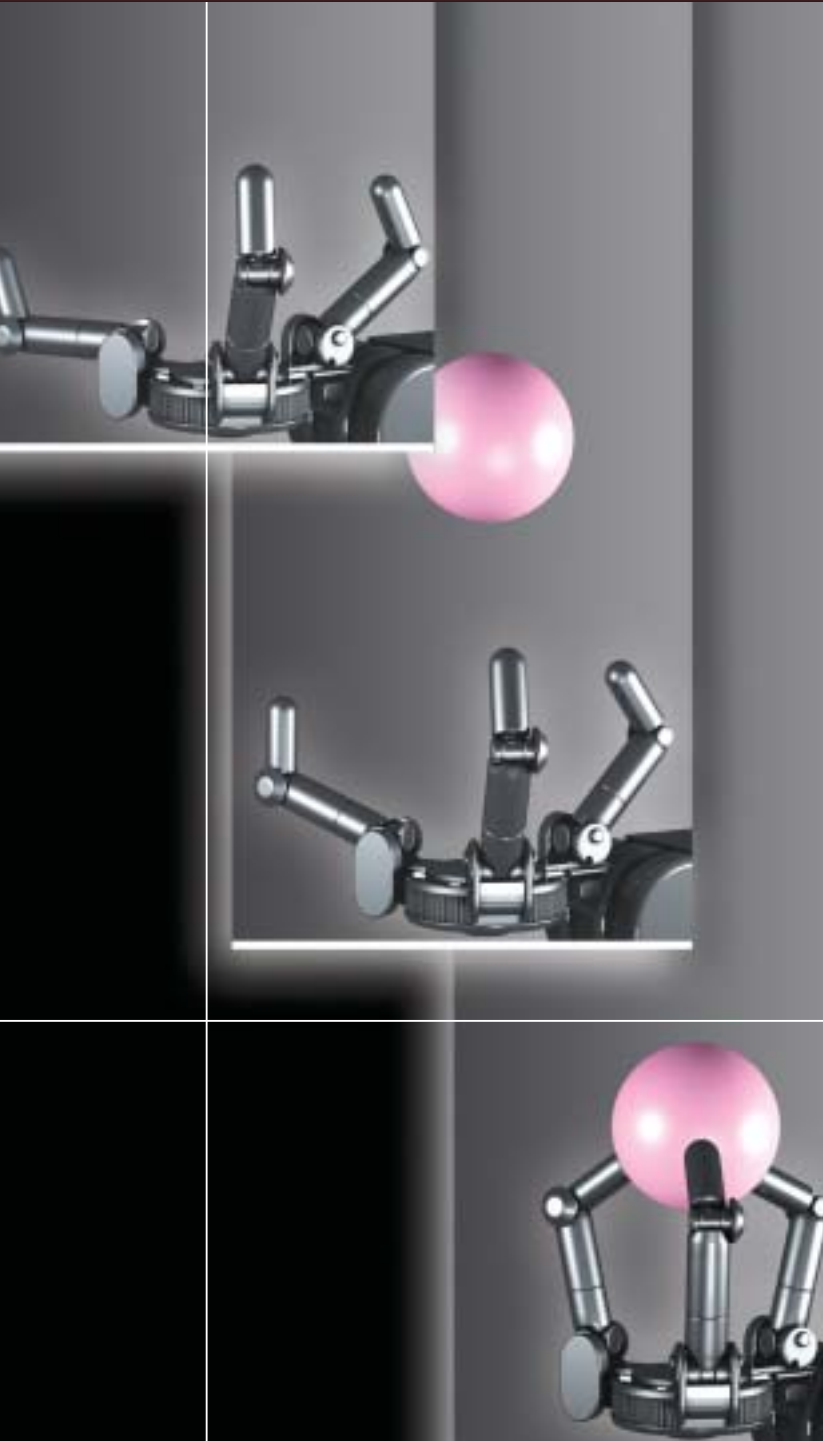


**This smart, ultra-fast camera
can see, think and control
actions in a millisecond...**



Faster, better factory automation

In many factories, processes are controlled by automated “vision systems,” using cameras that capture motion at only 30 frames per second—too slow for today’s process control technology...

So, Hamamatsu created a much faster, *smarter* camera.



One that can capture images, process them and issue control commands—in *one millisecond!*

*Fast, intelligent,
small and economical.*

Everything is integrated into microcircuits to make the system compact and economical. With speed that comes from an ingenious design...

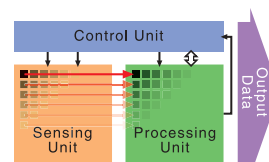
To streamline the image processing, each image sensor pixel engages with its own dedicated processing element. And processed information is

**Hamamatsu is opening
the new frontiers
of Light * * ***

also fed back through the sensing and processing units to further increase speed and precision.*

From eye tracking to robotics

This smart, fast camera also enables the tracking of eye movements. And studies of moving objects. And automated inspection and measurement and alignment. Not to mention, a range of applications in robotics...



Providing a processing element for each sensing pixel significantly speeds the overall processing.

And this is just one more way Hamamatsu is helping to open the new frontiers of Light.

<http://jp.hamamatsu.com/en/rd/publication/>

HAMAMATSU

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*Hamamatsu's Intelligent Vision System (IVS) is being developed in ongoing cooperation with the University of Tokyo, Ishikawa Namiki Komuro Laboratory.