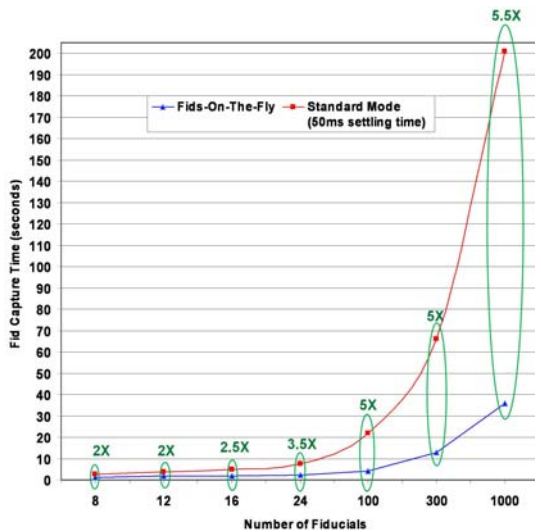




## Specifications: Fids-on-the-Fly™ Option

Vision engine:	Dalsa/Coreco Genie
Protocol:	Giga Ethernet
Camera resolution:	640 x 480 pixels
Field of view:	8.0 x 6.0 mm (0.31 x 0.24 in.)
Lens:	Focal length: 25 mm (1.0 in.) Adjustable F-number: f/1.6 – f/16 Manual adjustment C-mount
Travel limits for fiducial find (X-Y):	X coordinates: 31.8 to 349.8 mm (1.25 to 13.75 in.) Y coordinates: 31.8 to 488.9 mm (1.25 to 19.25 in.)
Fiducial define:	Teach mode: FmXP software
Vision system accuracy:	0.025 mm (0.001 in.)
Angular correction:	± 7° of skew correction
Fiducial find speed:	Variable, based on fiducial pattern spacing ( <i>see chart</i> )
Fiducial correction:	Translation and rotation
Light source and configuration:	RGB LEDs; each color independently controllable with 4,095 light levels; on-axis lighting
Number of fiducials/skip marks*	Minimum: 2 Maximum: 2800 (1400 per lane for dual lane) *A minimum of eight fiducials is recommended for best results
Fiducial pitch:	Minimum: 1 mm (0.04 in.)

### Fids-on-the-Fly™ versus Stop-and-Capture Mode Fiducial Capture Time Comparison



Tests were run on a variety of parts with different numbers of fiducials. The chart shows that Fids-on-the-Fly is 2 to 5.5X faster than stop-and-capture mode. The more fiducials required, the greater the time savings.

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