

## ACTUALS AND FORECAST

### Frequency, Time Period

- 5-year annual forecast (2017–2021)
- Base years (2015 and 2016)

### Measures

- Revenues (\$ million)
- unit shipments (thousands)
- ASP (\$)

### Regions

- EMEA
- The Americas
- Asia Pacific

### Market share analysis for each major:

- Product category
- Region (Europe, The Americas, Asia Pacific)

## INDUSTRIES COVERED

- Automotive
- Building automation
- Chemical
- Food and beverage
- Machinery
- Medical
- Metals and mining
- Packaging
- Pharmaceutical
- Power
- Printing
- Semiconductor and electronics
- Transport and traffic
- Utilities
- Other industries

## PRODUCTS COVERED

- Smart sensors
- Smart cameras
- Compact vision systems
- Machine vision cameras
- Frame grabbers
- Lighting
- Lenses
- Software
- Services and accessories

## OTHER SEGMENTATION

- Communication technology
- Sensor technology
- Other segmentation, as appropriate

## TECHNOLOGY, MEDIA & TELECOM ABSTRACT

# Machine Vision Report – 2017

November 2017

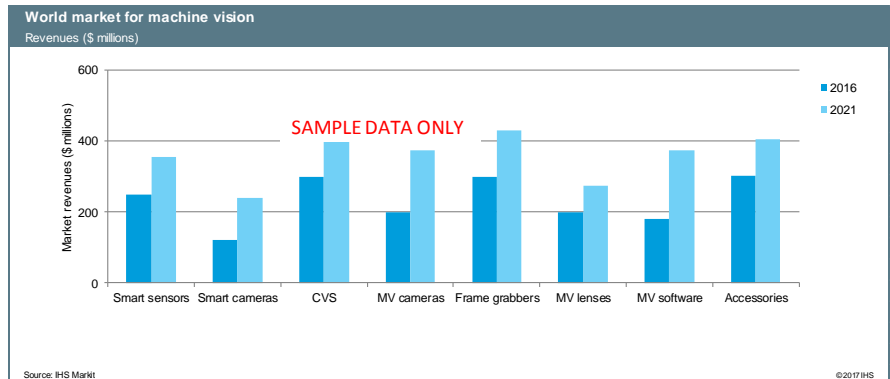
This abstract announces the 2017 edition of the 'Machine Vision Report'. This report provides executives and managers with an in-depth review of the world market for machine vision hardware, software and services, designed for use in industrial manufacturing and other relevant markets. The report quantifies the market in terms of manufacturer revenues and where relevant, unit shipments and average selling prices.

It includes market segmentation by country, sub-region, and industrial sector. It also provides estimated regional market shares of the leading manufacturers of the product groups considered in the analysis.

The base years are 2015 and 2016, forecasts are from 2017 to 2021. Data for the report has been gathered from many sources including interviews with manufacturers, distributors, third-party suppliers, industry journals and associations.

The report also provides a detailed discussion on the key market drivers and forecast trends. The introduction includes definitions, and an explanation of the methods used to research this market.

It also provides an appendix listing Chinese manufacturers.



## Key issues addressed

- What was the estimated total market size for machine vision products by product type in 2015 and 2016? What is the forecast for the years 2017 to 2021?
- What product developments are affecting the market?
- Which product markets will grow the fastest 2016 to 2021?
- What are the main market drivers and how might they affect revenue growth?
- Which companies were the leading suppliers to the market for each of the product groups? What were their estimated market shares in 2015 and 2016?

## Applicable to

- Existing manufacturers and suppliers of machine vision products.
- Any company considering entering this market.
- Distributors and systems houses involved with manufacturing.
- Systems designers and specifiers, particularly those involved in industrial automation.
- Of particular interest to senior managers, marketing managers and planners, and automation design and production managers.

## LEAD ANALYST

### John Morse – Senior Market Analyst, Manufacturing Technology

John Morse is a Senior Market Analyst with IHS Technology. John specializes in industrial communications, machine vision and hazardous area equipment. He has been responsible for many research projects, has had numerous related articles published, and has been, and remains, an active conference presenter.

John brings more than 30 years' experience in industrial automation, having started his career in designing telecommunications equipment with Marconi Instruments. John soon moved on to a number of sales and marketing roles, including marketing manager of Mitsubishi Electric, where he established the UK factory automation and automotive divisions. Other roles include marketing director of Allen Bradley's UK operation, followed by a period based in the United States managing the international launch of a new PLC range.

John holds a degree in physics and electronics, as well as postgraduate diplomas in business management and marketing. He is based in Wellingborough, United Kingdom and may be contacted at [john.morse@ihsmarkit.com](mailto:john.morse@ihsmarkit.com).

*"Machine vision is one of the fastest growing sectors of manufacturing. Market drivers behind this growth include the need to integrate vision with the industrial internet of things (IIoT). This has encouraged the development of new vision techniques that are creating exciting new opportunities for business".*

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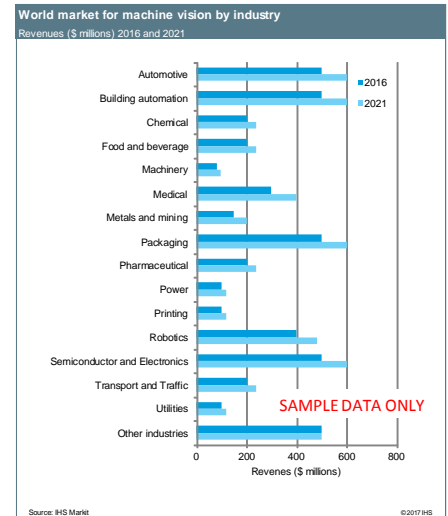
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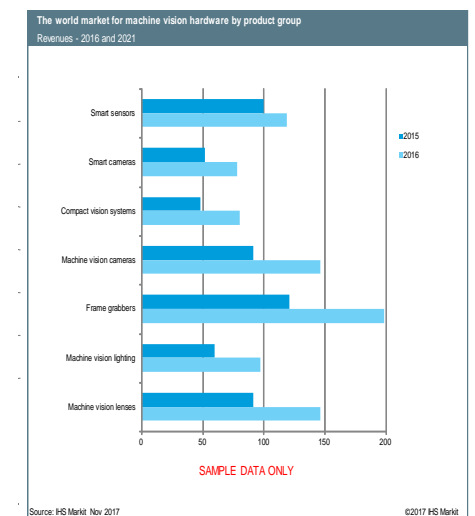
The world market for machine vision hardware by product group 2016 to 2021										
	2015	2016	2017	2018	2019	2020	2021	CAGR 16-21	Share 2016	Share 2021
Smart sensors	Revenue (\$ millions)	-	-	-	-	-	-	-%	-%	-%
	Unit shipments (k)	-	-	-	-	-	-	-%	-%	-%
	Average price (\$)	-	-	-	-	-	-	-%	-%	-%
Smart cameras	Revenue (\$ millions)	-	-	-	-	-	-	-%	-%	-%
	Unit shipments (k)	-	-	-	-	-	-	-%	-%	-%
	Average price (\$)	-	-	-	-	-	-	-%	-%	-%
Compact vision systems	Revenue (\$ millions)	-	-	-	-	-	-	-%	-%	-%
	Unit shipments (k)	-	-	-	-	-	-	-%	-%	-%
	Average price (\$)	-	-	-	-	-	-	-%	-%	-%
Machine vision cameras	Revenue (\$ millions)	-	-	-	-	-	-	-%	-%	-%
	Unit shipments (k)	-	-	-	-	-	-	-%	-%	-%
	Average price (\$)	-	-	-	-	-	-	-%	-%	-%
Frame grabbers	Revenue (\$ millions)	-	-	-	-	-	-	-%	-%	-%
	Unit shipments (k)	-	-	-	-	-	-	-%	-%	-%
	Average price (\$)	-	-	-	-	-	-	-%	-%	-%
Machine vision lighting	Revenue (\$ millions)	-	-	-	-	-	-	-%	-%	-%
	Unit shipments (k)	-	-	-	-	-	-	-%	-%	-%
	Average price (\$)	-	-	-	-	-	-	-%	-%	-%
Machine vision lenses	Revenue (\$ millions)	-	-	-	-	-	-	-%	-%	-%
	Unit shipments (k)	-	-	-	-	-	-	-%	-%	-%
	Average price (\$)	-	-	-	-	-	-	-%	-%	-%
Total										
Revenue (\$ millions)	-	-	-	-	-	-	-	-%	-%	-%
Revenue growth (%)	-	-%	-%	-%	-%	-	-	-%	-%	-%
Unit shipments (k)	-	-	-	-	-	-	-	-%	-%	-%
Unit growth (%)	-	-%	-%	-%	-%	-	-	-%	-%	-%

Source: IHS Markit Nov 2017 ©2017 IHS Markit



Estimated world market shares for machine vision Market Share (%)				
Rank	Company Name	Share in 2015	Share in 2016	Change 15-16 percentage points
1	Company 1	15.0%	14.5%	0.5%
2	Company 2	10.0%	12.0%	-2.0%
3	Company 3	9.0%	10.0%	-1.0%
4	Company 4	8.5%	6.0%	2.5%
5	Company 5	2.5%	3.0%	-0.5%
6	Company 6	3.0%	3.0%	0.0%
7	Company 7	2.0%	2.0%	0.0%
8	Company 8	2.0%	2.5%	-0.5%
9	Company 9	2.0%	1.5%	0.5%
10	Company 10	2.0%	2.0%	0.0%
Market in 2015 \$M		44.0%	43.5%	
Market in 2016 \$M				

Source: IHS Markit Nov 2017 ©2017 IHS



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## About IHS Markit

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