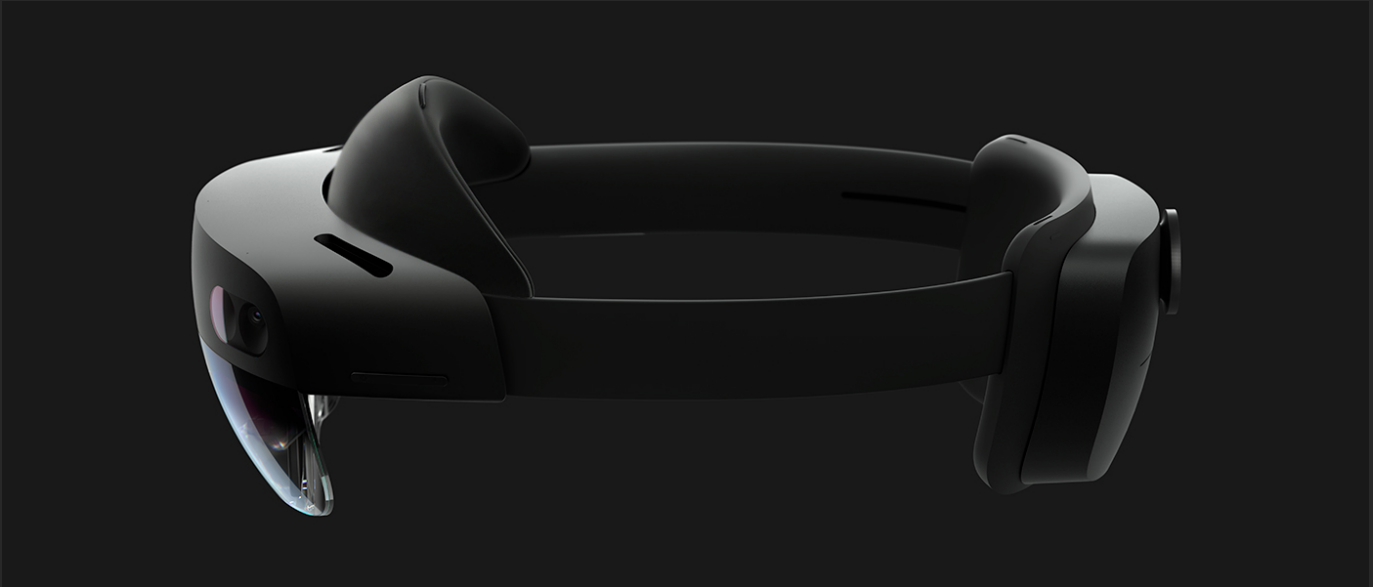


Microsoft HoloLens 2



HoloLens 2 delivers the most comfortable and immersive mixed reality experience available, with industry-leading solutions that deliver value in minutes—all enhanced by the reliability, security, and scalability of cloud and AI services from Microsoft. Mixed reality on HoloLens 2 combines an untethered device with apps and solutions that help people across your business learn, communicate, and collaborate more effectively. It's the culmination of breakthroughs in hardware design, artificial intelligence (AI), and mixed reality development from Microsoft, designed to help you lead your industry into the future—starting today.

Top Features and Benefits:

Product Pillars: HoloLens 2 is...

Innovative. Intuitive and intelligent, contains an onboard holographic computer that is cloud-enabled for easy collaboration

- Stay present. HoloLens 2 lets you interact with holograms in a heads up, hands free manner while still seeing the real world so you don't lose sight of what's most important – the people and things around you.
- Pick the solution that's right for you. Ready-made solutions from top ISVs across Manufacturing, Architecture & Construction, Engineering, Healthcare, and Education verticals.
- Business Ready. Helps you safely interact with professional 3D content at scale and in-context to start gathering new insights right away
- Immerse yourself. See multiple holograms at once in your real-world environment through the wide field of view see-through display. Industry leading resolution minimizes eye fatigue, so you can read text and see intricate details on 3D assets.
- Intuitive to use. Eliminate the learning curve. Reach out and move holograms with your hands as though they were real objects. Smart microphones and natural language speech processing ensure you're understood in nearly any environment.
- Intelligence built in. HoloLens 2 runs powerful on-device AI to understand people, environments, and objects. Derive new, powerful insights such as predictive equipment maintenance models and high-quality streamed 3D assets with Azure.
- Ergonomic design. Wear HoloLens 2 with ease with a fit system designed for multi-hour use. Glasses-friendly. Flip up the visor so you can switch tasks easily.
- Collaborate with ease. HoloLens 2 makes it easy and secure to share holograms among HoloLens users or iPhones, Androids and tablets. Stream your HoloLens 2 experience to a wireless display in seconds.

Trusted. From Microsoft, optimized to integrate securely with a variety of environments and IT management tools

- Secure – Advanced security management and threat protection. Log in quickly and securely, with Windows Hello, and rest assured that built-in data encryption protects your organization's data in today's diverse and complex mobile environment. HoloLens 2 integrates with Azure Active Directory to enable quick access and management of profiles and settings.
- Manageable – Integrates with IT infrastructure, enabling smooth management. Integrates with most Unified Endpoint Management solutions (also known as MDM) like InTune. IT admins can deploy and manage HoloLens 2 just like other mobile devices.
- Certified – Meets common commercial compliance standards. HoloLens 2 has been tested and found to conform to the basic impact protection and hazardous location standards.

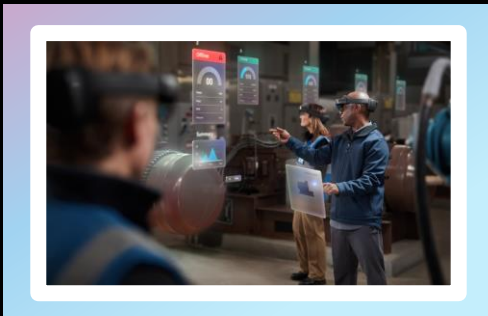
Technical Specifications:

Display	Optics	See-through holographic lenses (waveguides)
	Resolution	2k 3:2 light engines
	Holographic Density	>2.5k radiants (light points per radian)
	Eye-based Rendering	Display optimization for 3D eye position
Sensors & Audio	Depth	Azure Kinect sensor
	IMU	Accelerometer, Gyroscope, Magnetometer
	Camera	8MP stills, 1080p30 video
	Microphone Array	5 channels
	Speakers	Built-in, Spatial Audio
Human Understanding	Hand Tracking	Two-handed fully articulated model, direct manipulation
	Eye Tracking	Real-time tracking
	Voice	Command and control on-device, Natural Language with internet connectivity
Environmental Understanding	6DoF Tracking	World-scale positional tracking
	Spatial Mapping	Real-time environment mesh
	Mixed Reality Capture	Mixed hologram and physical environment photos and videos
Compute & Connectivity	SoC	Qualcomm Snapdragon 850 Compute Platform
	HPU	2nd Generation Custom-built Holographic Processing Unit
	WiFi	802.11ac 2x2
	Bluetooth	5.0
	USB	USB Type-C
Power	Battery Life	2-3 hours of active use
	Charging	USB Power Delivery – Fast Charging
	Thermals	Passively Cooled
Fit	Single size	Fits over glasses, size using adjustment dial
Software	Windows Holographic OS	
	Edge	
	Remote Assist	
	Layout	
	Guides	
	3D Viewer	
OneDrive for Business		

Transforming Manufacturing

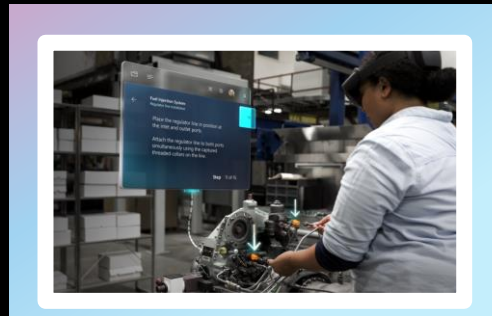
Over the years, we have engaged countless enterprises to identify the primary mixed reality use cases will benefit the manufacturing industry. From improved onboarding and upskilling of employees to increased operational efficiency to reduced errors and waste, mixed reality is transforming manufacturing.

We've identified 2 use-cases that are transforming enterprises:



Increase worker productivity

Increase worker productivity with mixed reality visual guidance, including checklists and step-by-step instructions.



Improve first-line onboarding and upskilling

Onboard new employees faster, upskill existing workers, and increase knowledge retention.

HoloLens 2 offerings

	 HoloLens 2		 HoloLens 2 Industrial Edition	
Target Audience	Enterprise Line of Business		Controlled Industrial Environments	
ISO 14644-1 Class 5 clean room classification				
Class I, Division 2- Groups A, B, C, and D HAZLOC environments				
Hardhat integrated (PPE compliant in 40+ countries)				
Noise-cancelling audio output				
Developer entitlements				
Rapid-replacement program				
Commercial Use Rights				
Warranty	1-year		2-year	



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