

A group of four people are gathered around a large, rectangular table in a modern office setting. They are all wearing mixed reality headsets and are interacting with a large-scale architectural model of a building complex. The model is composed of various blueprints, 3D models, and data overlays. One person on the right is leaning over the table, pointing at specific parts of the model. In the background, there are wooden walls, pendant lights, and a large window. A small video call interface is visible on the wall, showing a person's face. The overall atmosphere is one of a high-tech, collaborative workspace.

World Leaders in Mixed Reality
Hardware & Software Solutions.

AjnaLens

Our Products



AjnaBolt

Defence & Homeland Security.



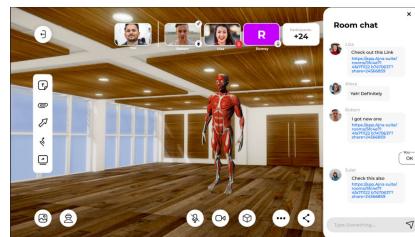
AjnaLite 2

Training & Skilling



AjnaX

Cross Industry applications



AjnaSuite

XR application to enhance work.

AjnaXR Station
Phygital Training & Skilling



Creating Employment Opportunities



Hired Female Students at ITIs For Product Assembly

Our Customers



रक्षा मंत्रालय
MINISTRY OF
DEFENCE



Cymax

PM EXPERTS
management.best

The logo of Magictap, featuring a stylized, colorful "M" shape.



The President
of India



Kohinglanj



VR Coatings Pvt. Ltd.



D Y PATIL
UNIVERSITY
RAMRAO ADIK
INSTITUTE OF TECHNOLOGY
NAVE MURBIA

FORGE
Your Innovation
& Growth Partner



KHODIYAR
CAD Center (I) Pvt. Ltd.

The logo of Mahindra, featuring a stylized, colorful "M" shape.

Mahindra

The logo of Vedanta, featuring a stylized, colorful "V" shape.

vedanta

+ More

Awards and Recognition



Top 5 Hardware Startup

selected for Qualcomm Design Challenge in India, 2018



Winning start-ups, selected for “India Innovation Hub”

by Facebook and T-hub



Recognized as Top Selected StartUp

Pioneering Defence Innovations in India



Most promising startup Award

by defennovation



Awarded #1 Innovation across India

by CII & DST, 2017



Indian Augmented Reality Headsets Technology Innovation Leadership Award by Frost & Sullivan



Graham Bell Innovation Award

2015



Winner of 1.5 Crore Grant by iDEX

By Ministry of Defence





When we say we serve the nation, we mean it.

 **Ajay Kumar**  @drajaykumar_ias · Feb 12
Best wishes for your efforts. Companies like yours are driving innovation in India. Great to see your work @ajnalens during @India_IDEX event at #AeroIndiaShow 2021!

 **AjnaLens** @ajnalens · Feb 5
It was an honour to have Shri Ajay Kumar @drajaykumar_ias , Secretary, @DefenceMinIndia experience our mixed reality glasses this afternoon at #AeroIndia2021.
#AatmanirbharBharat
#VocalForLocal #AeroIndia2021
#SurakshitBharat



 **Nawab Malik**  نواب ملک नवाब मालिक Retweeted
AjnaLens @ajnalens · Dec 21, 2020
[Exciting Update] Today our CEO, @Pankajraut_ met @nawabmaliknkp to discuss about improving training at ITI's, creating more jobs & skilled workforce in the state. We are thrilled to see the Govt's keen interest in using advanced technologies for their Skill Development Mission.



 **Harsh Goenka**  @hvgoenka
Smart glasses for Covid times using AI, VR and thermal scanning. #MakeinIndia #CoronalInnovation



1:50 20.1K views 12:58 PM · Jun 6, 2020 · Twitter for iPhone
130 Retweets 16 Quote Tweets 419 Likes

Empowering students



Ajnalens is creating impact by supporting ITI students to develop the necessary skills to get jobs and earn a livelihood for their families.

Current Training Challenges

Huge demand for skilling, re-skilling, up-skilling due to fast changing technology: PM Modi

PTI • Last Updated: Jul 15, 2021, 04:02 PM IST

SHARE FONT SIZE SAVE PRINT COMMENT

Synopsis

"Learning should not stop with earning. Only a skilled person will be employable. This is applicable to both people and countries," Modi said while interacting with stakeholders to continuously skill, re-skill and up-skill.



Skill development is the foundation for Aatmanirbhar Bharat: PM Narendra Modi

Emphasising on skill development, Prime Minister Narendra Modi on Thursday said that the demand for skilling and up-skilling has to be expedited as a huge demand for changing technology development of the country is a national need and Aatmanirbhar Bharat

ThePrint



When you need a quote and it has to be quick, now you can get off to a quick start.

Get Quote



POLITICS ▾ GOVERNANCE ▾ ECONOMY ▾ DEFENCE INDIA FEATURES ▾ OPINION ▾ EVENTS ▾ VIDEO MORE ▾



Home ▸ India ▸ Governance ▸ Recovery of economy now depends on how fast we skill youth, make...

India Governance

Recovery of economy now depends on how fast we skill youth, make them job-ready, Pradhan says

On World Youth Skills Day, Skill Development and Entrepreneurship Minister Dharmendra Pradhan says skilling is no longer a secondary aim.

'Make in India' initiative's success lies in skilling India

Speaking on the occasion of the [World Youth Skill Day](#), he also called for giving momentum to the Skill India Mission by capitalising on the gains of the last six years.

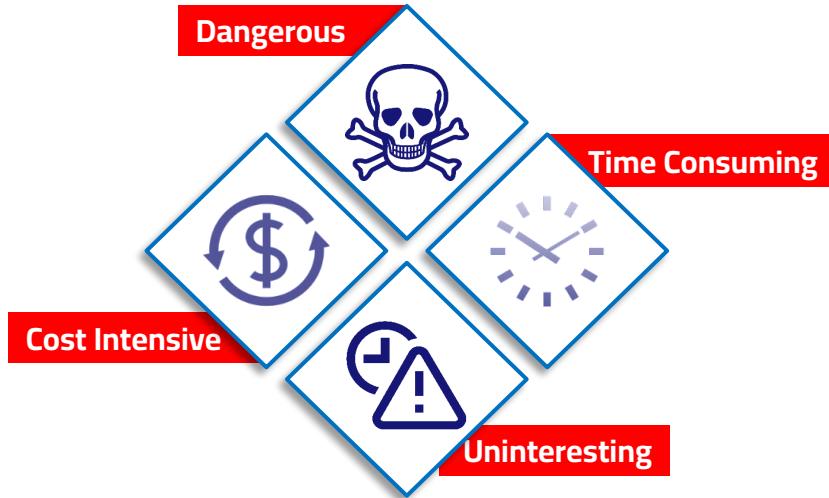
Rohit Saboo * Nov 19, 2015, 08:33 PM IST



Rohit Saboo

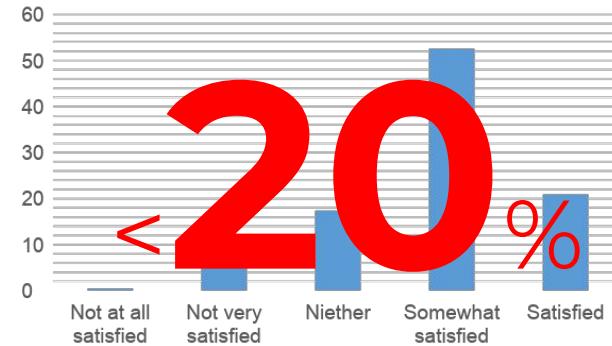
President & CEO, National Engineering Industries Limited (NEIL), CK Birla Group

Current Training **Challenges**



Level of Satisfaction

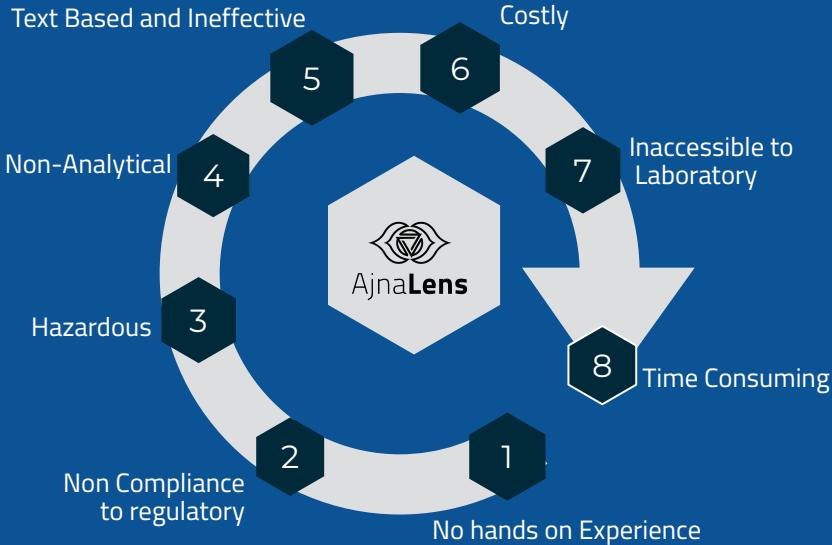
With formal training received in current role



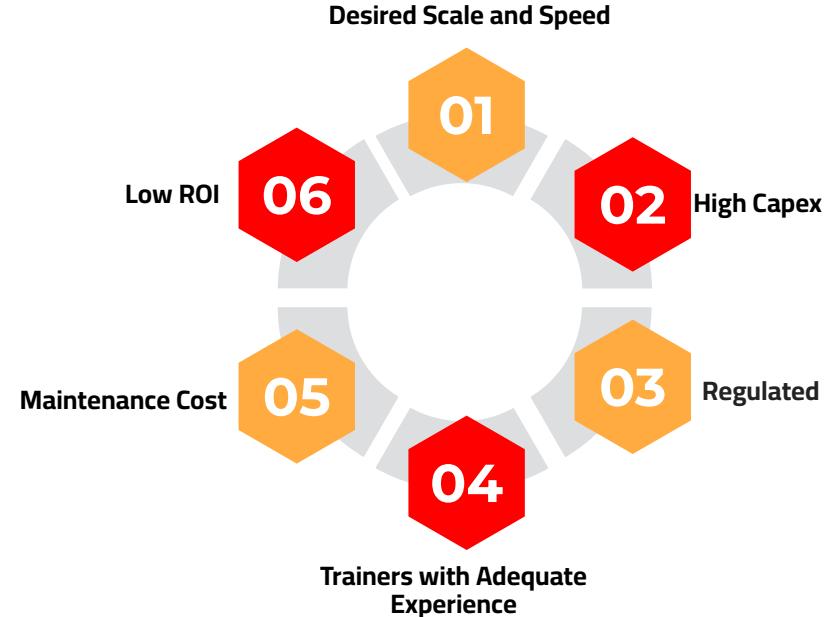
Source:

Pain Points

Organizations



Learning Partners



Introducing

AjnaXR Station

- 🔧 Phigital training [Physical + Digital]
- 戴上 Virtual Reality based gamified training
- ✓ Industry validated content
- 📈 Auto analytics & skill mapping
- 💰 Immediate ROI
- ⬆ Scalable training modules
- 🔊 Multilingual



AjnaLens

With

100's of SOP & Training Modules

+ Customized Content



Making it Real: AjnaXR Station Guided Tour



AjnaLens



Operations



Repair



Maintenance



Troubleshooting



Safety



Life Sciences



Automobile



Healthcare



Power



Construction



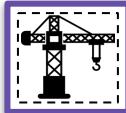
Paint Simulator



Welding Simulator



Fire Simulator



Construction Simulator



Driving Simulator



Chemical Engineering



Mechanical Engineering



Electrical Engineering



Civil Engineering



Automobile Engineering

Why choose AjnaXR Station?



Physical Equipments
Eg: Air & Airless Spray Guns

Digital Environment
Eg: Virtual Painting Booth



Superior Training Experience
Train in immersive, realistic environments on real life objects



Unlimited Times Practice
Practise unlimited times until you master the trade



No Controllers, Only Real Tools
Practise with the actual tools and build muscle memory for the skill



Objective Skill Evaluation
Measure your performance and generate detailed analytics reports



No Language Barrier
Learn the trades in Hindi and English
Soon will be available in more native languages



Zero Material Cost
Zero raw material consumption,
Zero cost of consumables



Green & Safe Technology
Reduce your carbon footprint and avoid physical risks for students



One Platform, Multiple Skills
Learn multiple new skills on the same platform

300+ Units Deployed



150 ITI's in
Karnataka Upgraded



Students Interest

3D virtual visuals
increase child's IQ and
grasping power.



Makes learning
easy

that Virtual Reality
increases interest of
students in study

“India's First AR headset is
ready to take on global giants”

“Dimension NXG's AR headset is the best
in class both in terms of price and
performance”

Entrepreneur

OUTLOOK
BUSINESS
THINK BEYOND. STAY AHEAD.

“AjnaLens becomes first India-made
AR headset, set to bring virtual
worlds to life”

YOUR STORY

AjnaLens

Impact on VR in Skilling

50-75%

reduction
in training cost

97%

preparedness
to handle hazards

85-96%

decrease
in training time

70-90%

knowledge
retention

92%

increase in interaction
and engagement

98.5%

reduction in
carbon footprint

Use Case

Welding Training



Use Case: Welding Training



Problem Statement:

- Welding generates metal particulates and gases such as ozone, nitrogen oxides, and carbon monoxide, safety is the first and foremost challenge to be addressed.
- Currently the conventional model of welding training is used which works in the regular way: by instructing theoretical in person classes and later long hours practicing. Users looking for impactful and immersive way of welding training which is not only safe but also reduces the training time.

AjnaLens Solution:

- AjnaLens provides XR Station a Virtual reality-based simulation training.
 - **Hardware:** XR Station & Ajnalite 2 (360 degree VR glasses)
 - **Software:** AjnaLens Welding Module.

Impact:

- **Unique, engaging and immersive way** to train in a safe, but **realistic environment**.
- Speeding up **learning process, reducing costs, reduction in travel** also has a huge positive impact on a company's environmental impact.
- **Zero risks** is the biggest benefit for **newcomers, no experience, no risks**. Lack of experience can create dangerous situations. Thanks to Ajnalens XR Station, the risks are reduced to zero.
- **Consumables' cost reduction** - Welding requires hours of practice in **different positions, using different materials and pieces**. Every time a trainee makes a practice, **the piece is used and it can't be used again**.
- **Personalization = Less Time, Better Skills:** Each student can practice the **same procedures until the result is perfect**, this allows them to control the rhythm of their learning process, ensuring they move on to the next step once they are skilled enough.
- **Zero emissions:** Forget about gases or any emissions, simulation allows a 100% green welding. The Ajnalens XR Station can be placed anywhere, since it doesn't need special ventilation.

Additional benefits/uses:

- **Scalable solution:** Same solution (XR Station) can be used for all kinds of Virtual reality-based simulation training.

AjnaXR Station

AjnaXR Station is a revolutionary virtual reality simulator that helps you acquire specialized vocational training and master your skills in all kinds of simulation training techniques – all from your safety and comfort.

Welding Kit



AjnaLite 2



Stick Welding Torch



MIG Torch



TIG Torch



Accessory: Welding Torches



AjnaLens simulator consists of 3 physical welding torches connected with advance tracking electronics designed by AjnaLens.



The tracking sensor consist of ARM Cortex-M4 processors, a Field Programmable Gate Array (FPGA), MEMs Inertial measurement unit, and two precision MEMs clocks

AjnaLens Tracker

MIG Torch



TIG Torch

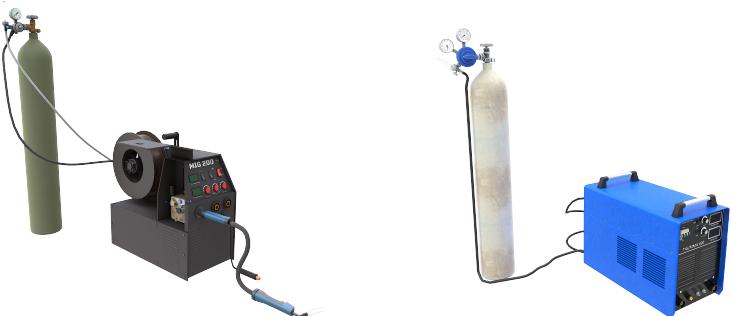


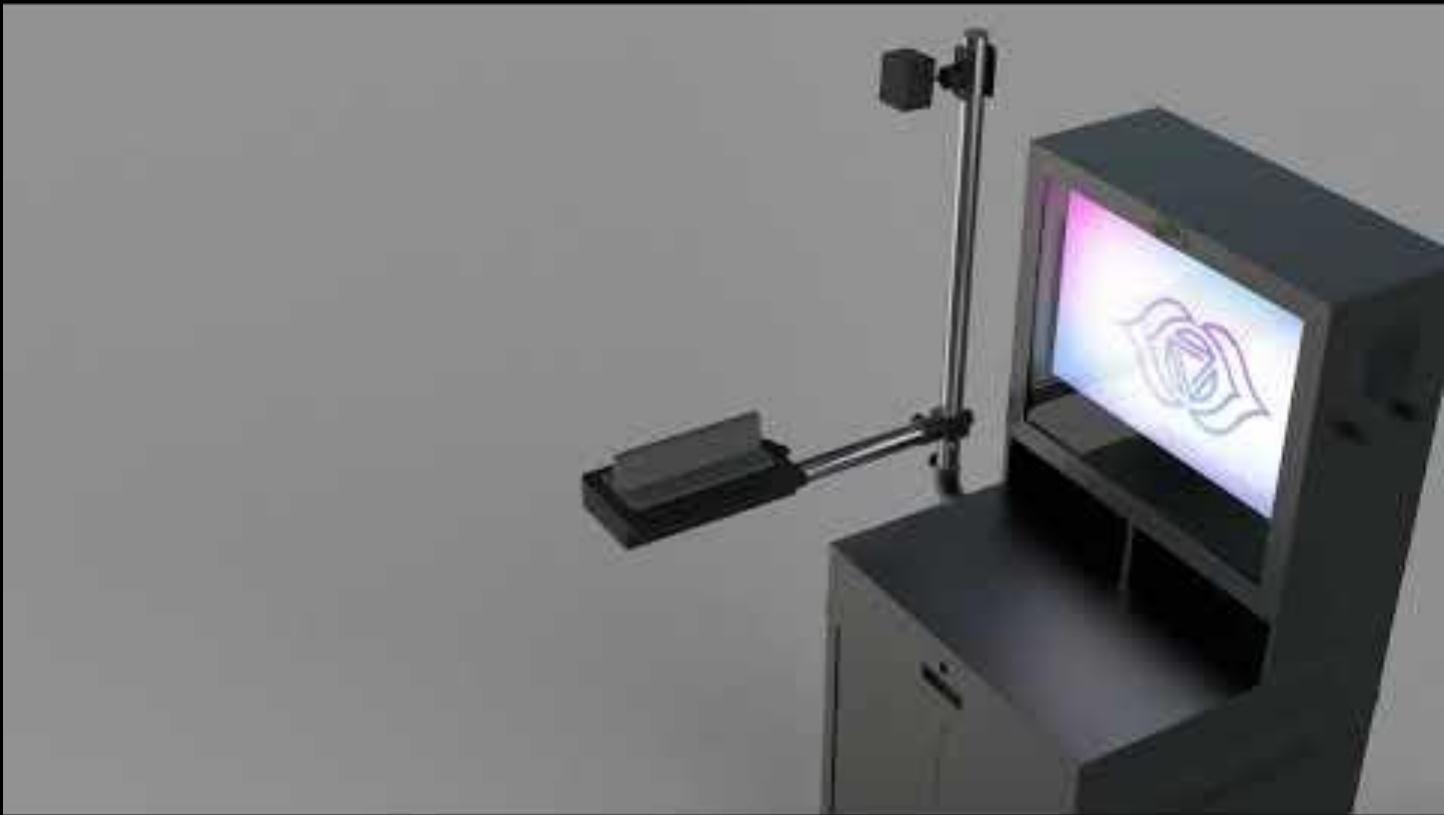
Stick Welding



Welding Torch	MIG Torch	TIG Torch	STICK
Welding Process	MIG-MAG (GMAW, FCAW)	TIG(GTAW)	STICK (SMAW, MMA)
Virtual Filler material	Carbon steel (Wire - Solid, Tubular)	Carbon steel (Rod)	Carbon steel (electrode stick)
Virtual Diameter (mm):	Wire: 0.8 mm, 1 mm, 1.2 mm	Rod: 2.0 mm, 2.4 mm	Electrode diameter: 2.5 mm, 3.2 mm
Model	Classic MIG	Oxy-Acetylene Water Cooled Tig Welding Torch	Premium Welding Holder-200A

Welding Environment





[Click to Play Video](#)

Welding **Parts & Positions Available**



1F
Flat



2F
Horizontal



3F
Vertical



4F
Overhaed



Bas Boxes
2A



1G
Flat



2G
Horizontal



3G
Vertical



4G
Overhaed



1G
Flat



2G
Horizontal



3G
Vertical

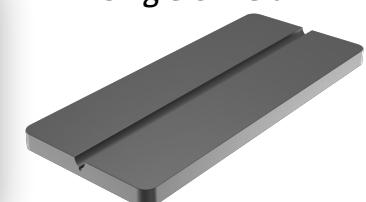


4G
Overhaed

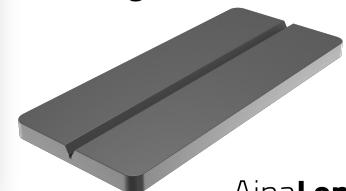
Lap Weld



Single U Weld



Single V Weld



Welding **Parts & Positions Available**



1F
Flat



2F
Horizontal



3F
Vertical



4F
Overhaed



Bas Boxes
2A



Double
Bevel



Double J



V-butt
pipe

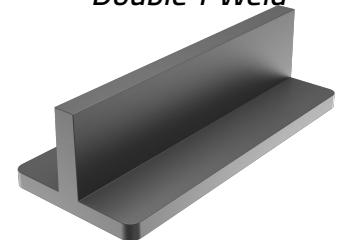


T-angle
Pipe

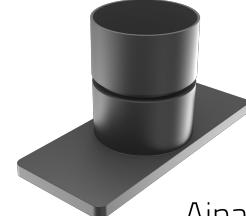
T Weld



Double T Weld



Industrial Welds



Welding **Parts & Positions Available**



1G
Flat



2G
Horizontal



3G
Vertical



4G
Overhaed



Bas Boxes
2A



1G
Flat



2G
Horizontal



3G
Vertical



4G
Overhaed



1G
Flat



2G
Horizontal



3G
Vertical



4G
Overhaed

Corner Weld



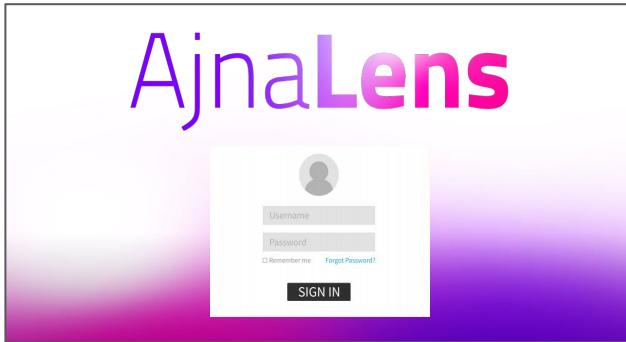
Edge Weld



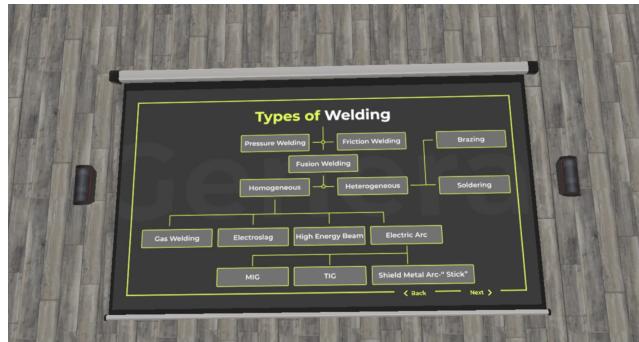
Flat Butt Weld



Application Overview **Welding**



Welcome Screen (Login Screen).



Different types of Welding



Select Job Types / Work Pieces/Positions

Select Dominating Hand

 Hand

Right Hand



 Difficulty

Intermediate



 Mode

Guided



 Welding Joint

Butt Joint



 Welding Piece

Piece name



 Piece Position

3G Vertical



 Piece Material

Aluminium



Left



Right

Proceed

[Back](#)

Select Difficulty Level

[Home](#)

Hand
Right Hand



Difficulty
Intermediate



Mode
Guided



Welding Joint
Butt Joint



Welding Piece
Piece name



Piece Position
3G Vertical



Piece Material
Aluminium



Beginner



Intermediate



Advanced

[Proceed](#)

[Back](#)

Select Welding Joint

[Home](#)

Hand
Right Hand



Difficulty
Intermediate



Mode
Guided



Welding Joint
Butt Joint



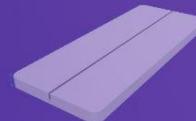
Welding Piece
Piece name



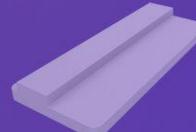
Piece Position
3G Vertical



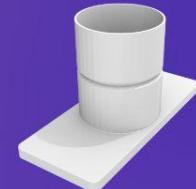
Piece Material
Aluminium



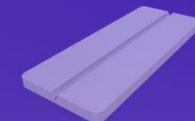
Butt Joint



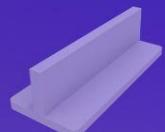
Lap Joint



Pipe-Pipe Joint



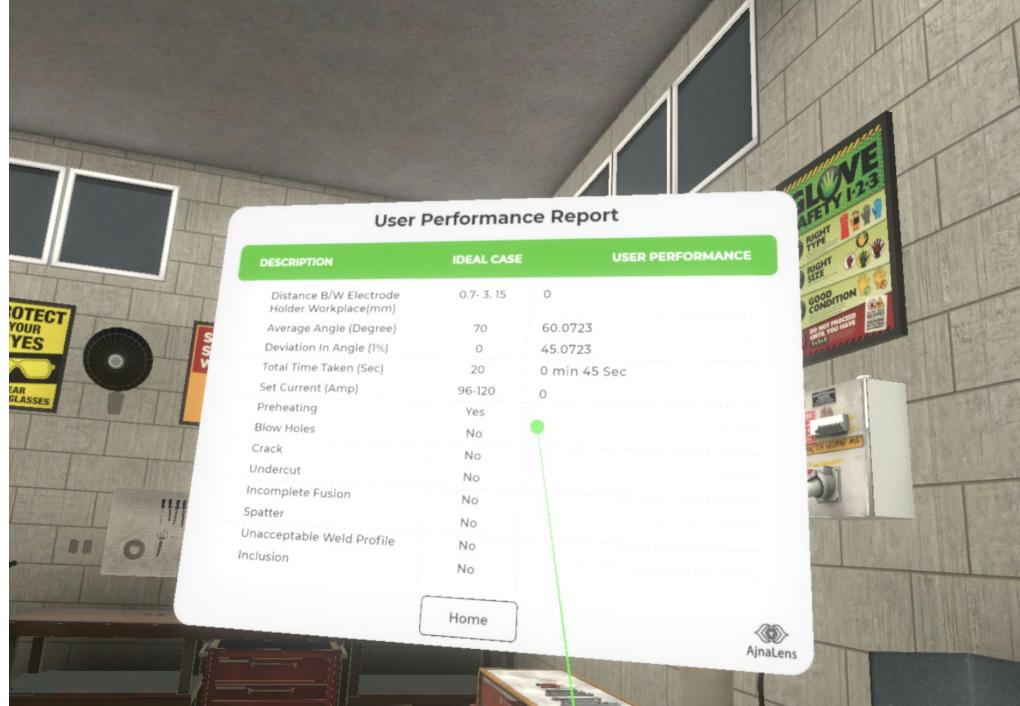
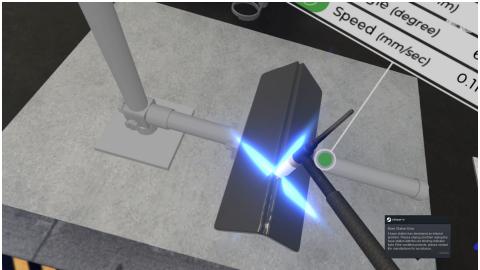
Edge Joint



T Joint

[Proceed](#)

Application Overview **Welding**



Scoring parameters: CTWD (Contact Tip to Work Distance) - Torch to work piece distance, Travel Speed, Travel Angle, Arc Length, Work Angle, Straightness.

But Don't just take my word for it! Have a look at this...



"India's First AR headset is ready to take on global giants"

Entrepreneur



"Dimension NXG's AR headset is the best in class both in terms of price and performance"

OUTLOC BUSINESS
THINK BEYOND. STAY AHEAD.



"AjnaLens becomes first India-made AR headset, set to bring virtual worlds to life"

YOURSTORY

THE ECONOMIC TIMES

VCCIRCLE

Business Standard

yahoo!
news

EXPRESS COMPUTER

Inc42


THE HINDU

THE FINANCIAL EXPRESS

BUSINESS INSIDER

DECCAN Chronicle


dailyhunt

Mashable

Here's what Investors have to say about us

Technology has always revolutionised the way we work, live and play; consider computers, smartphones and more. I truly believe that augmented reality is the next frontier in computing and is already on the rise. AR will shape how humans live, communicate and collaborate. Having watched this space closely, AjnaLens is now at its inflection point and is about to follow an exponential growth trajectory due to the traction we have seen in the Indian market. I have complete faith in the AjnaLens Team that they will create this future for the world, starting from India.

– Chirayu Khimji, Khimji Ramdas Group



Vijay Shekhar Sharma
Founder & CEO, PAYTM



Japan Vyas
Founder of Roots Ventures



Chirayu Khimji
Khimji Ramdas Group



Mohsin Hani Al Bahrani
Mohsin Haidar Darwish Group



Chetan Kajaria
MD at Kajaria Ceramics



Micheal Marks
Innoventure Partner



Manish Bhatia
Bhatia Brothers - Dubai



Maharashtra Defence And Aerospace Venture Fund

Certifications



All existing 15 Patents filed in India, with applications underway to secure worldwide patents on key innovations



- **10 India-wide complete patents** are filed across NXG's existing range of solutions and core technology
- **02 India-wide provisional patent** filed
- **02 International patents** filed
- **03 hardware design applications** filed in India
- **31 trademark** applications registered

Dimension NXG's patents pertain to key challenges for MR & AR core technology and its applications

Patent Arenas

MR/AR Core Technologies	AI Powered Bot for Training	Multi Object 6DoF Tracking in a Common XR space
Hologram Shaders	Machine Vision-Based Diagnostics Using MR	Defence MR glass design
Ambient relighting technology	Real Time AR/VR Teleportation	Enterprise MR glass design
An Interaction Platform for AI Bots and Users	Holograms from Concepts	MR & AR Applications

Additional details can be shared in due diligence



AjnaLens

Augmenting Human Intelligence

CONTACT DETAILS

KULDEEP PATHAK

8286881111

Senior Customer Success Manager
kuldeep@ajnalens.com