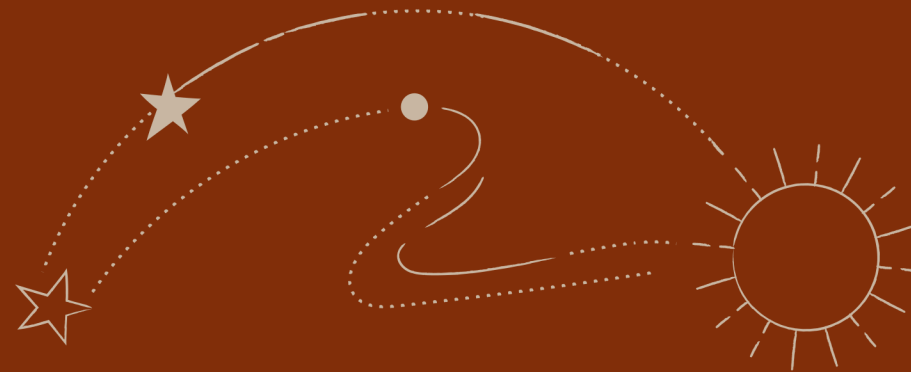


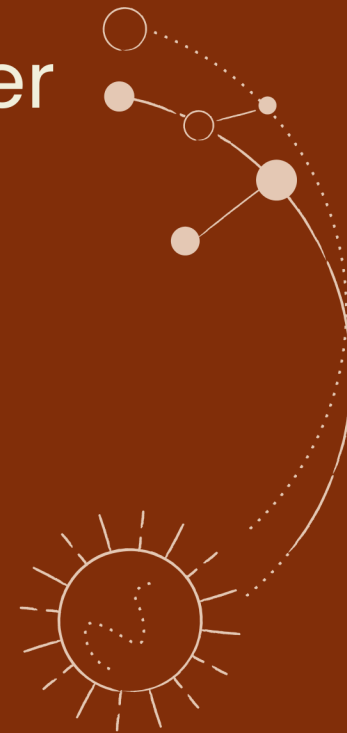


# eArcis

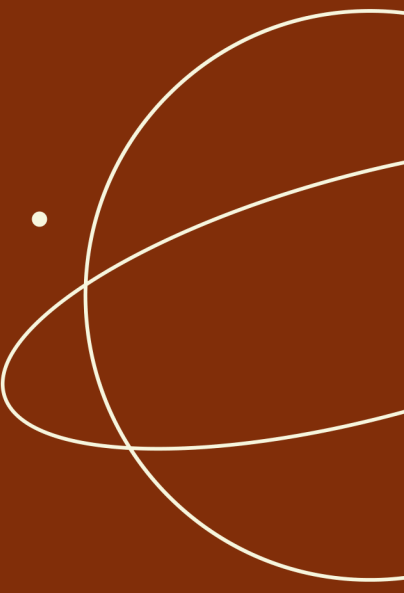
EtchON Auto Optoelectronics Pvt. Ltd.



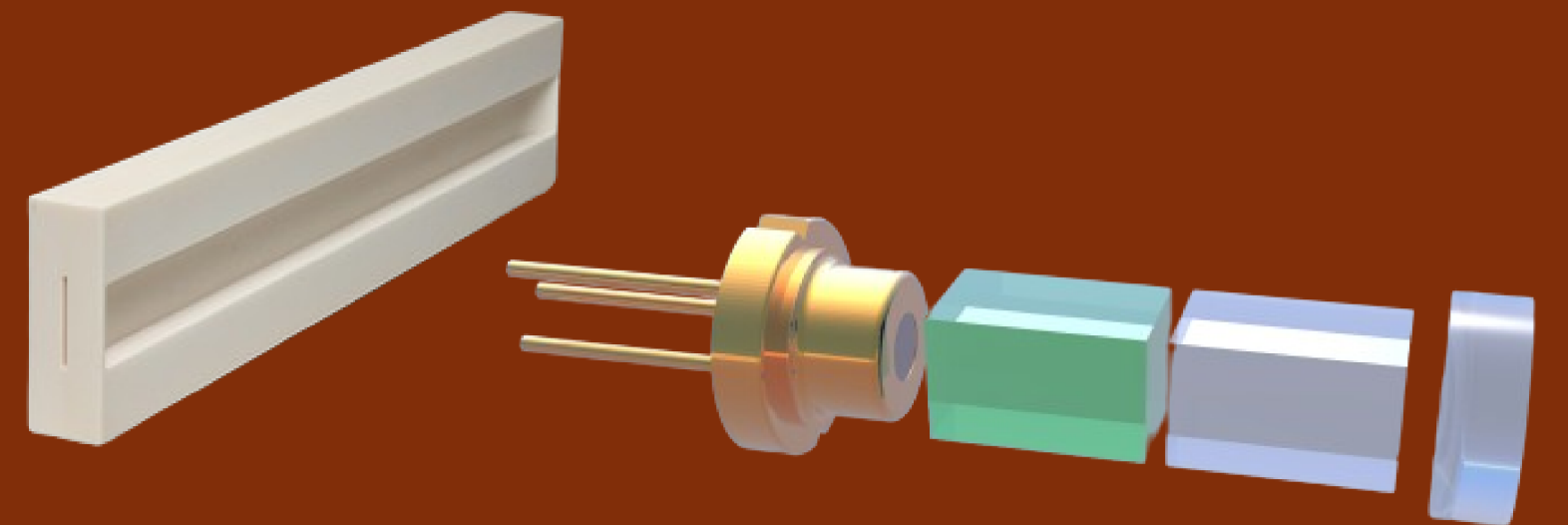
- 01. About us
- 02. Our Team
- 03. Product Trend
- 04. Product Excellence
- 05. Product – UV Laser
  - Models
  - Technical specifications
  - Applications
- 06. Product – CO2 Laser
  - Models
  - Technical specifications
  - Applications
- 07. Testimonial
- 08. Contact Us

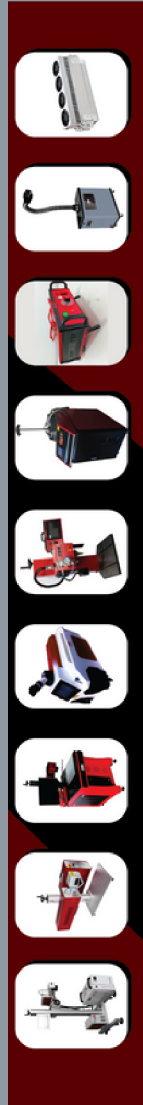


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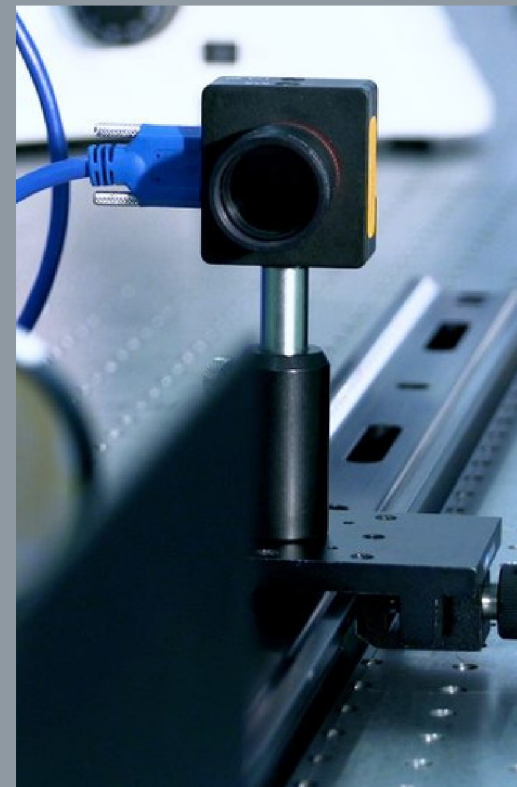
eArcis Laser source powered by  
Cermaic Core anf Crystal Technology





# About Us

We are focused on delivering quality products that fuels the market megatrends while pursuing our aim of enabling the market with Make in India products. EtchON empowers market integrators to engineer mission-critical core components and subsystems that deliver extreme precision and performance, enabling our customers to improve productivity, to achieve breakthrough performance from materials to systems.





Rupesh T.

Buisness Manager



Gunjan G.

Head of Marketing



Shoobit M.

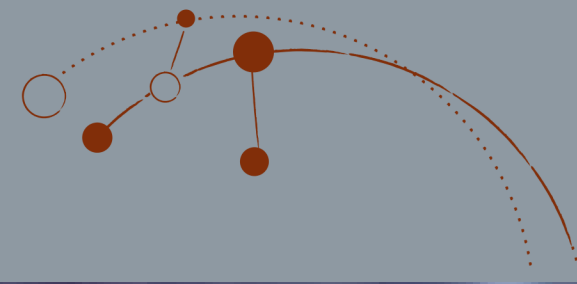
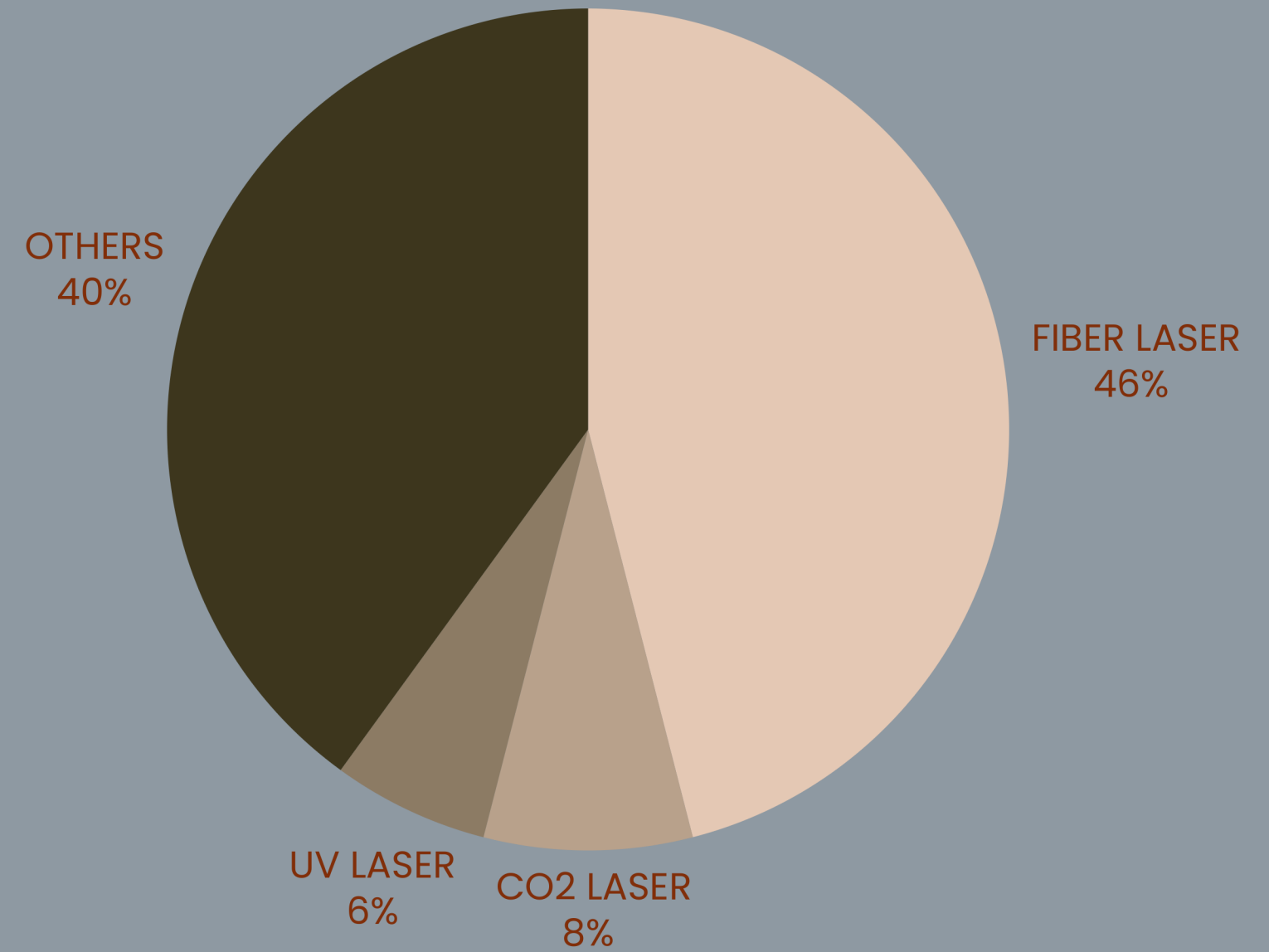
Head of Production

# Our Best Team Members

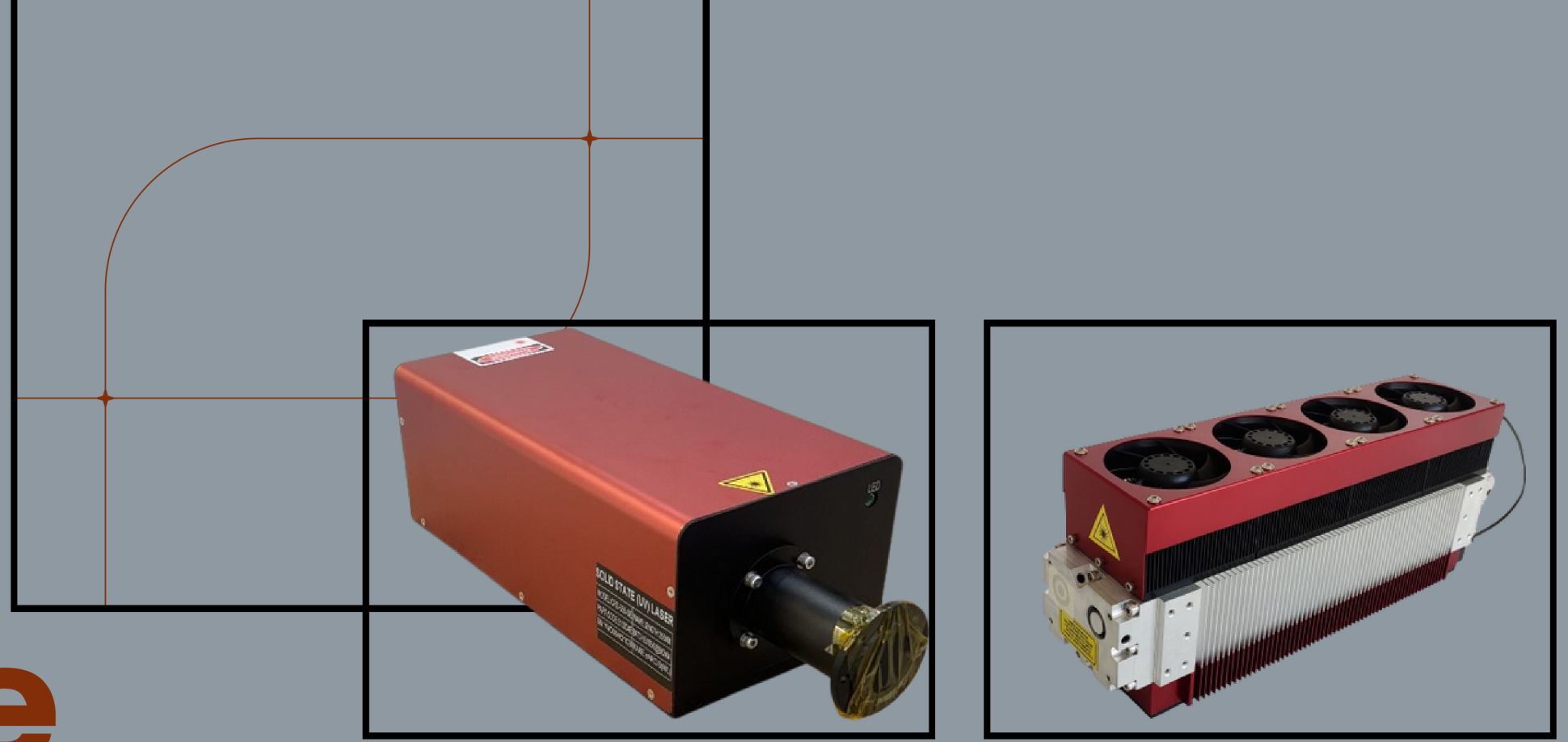


# Product Trend

In 2022, studied data fiber laser segment is one of the highest % share in the market. Co2 and UV laser is increasing its share by replacing diode laser technology.



# Product Excellence



Environmentally Friendly



Affordable Prices



Using High Quality Materials



Has Been Certified

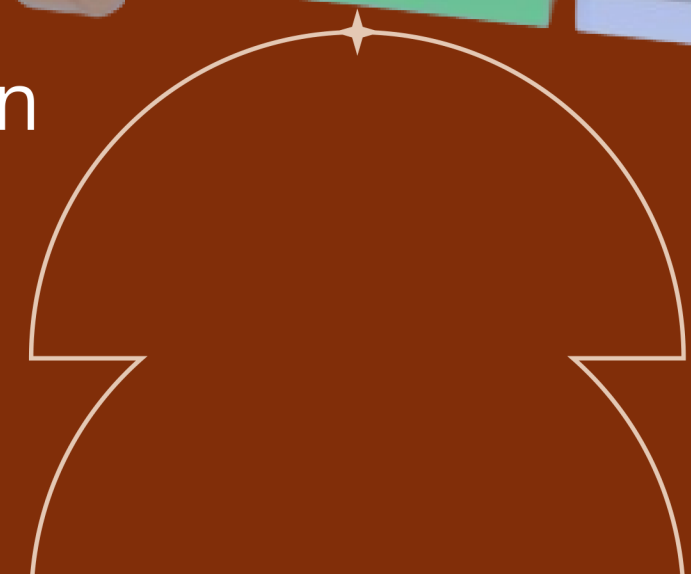
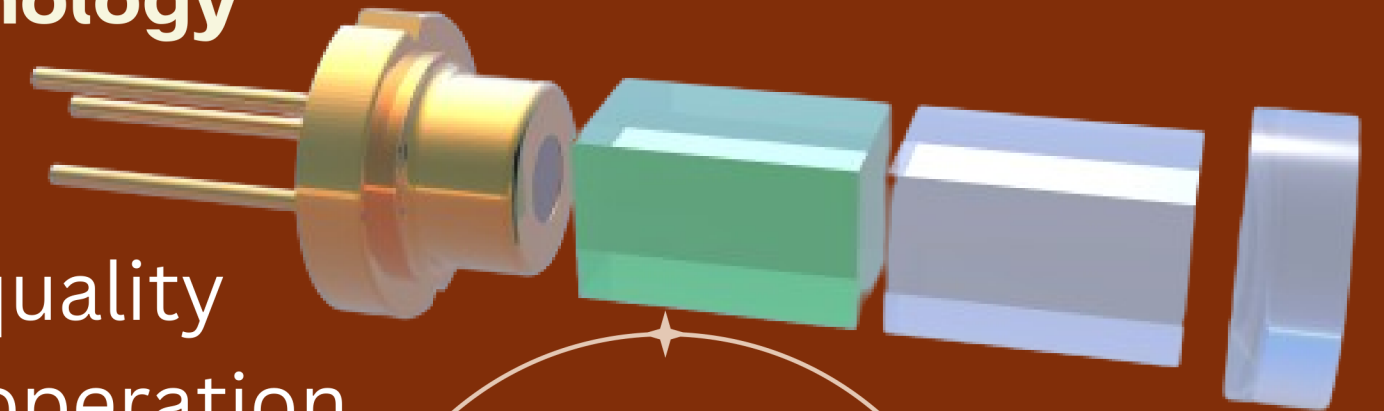




# Product List

## UV Laser Powered by Crystal Technology

- Wavelength : 355 nm
- nLight pumps delivers excellent beam quality
- Excellent power stability for long term operation
- Widely used in scribbling, drilling and cutting.



# Product List

## 3W/5W UV Laser Technical Specifications

| Output Sepecification          | Parameters                                     |               |
|--------------------------------|--|---------------|
| Model / Power                  | e3WNL-V1 (3W)                                  | e5WNL-V1 (5W) |
| Wavelength                     | 355nm  |               |
| Pulse Repetation Rate Range    | 10kHz to 150kHz (Option single shot to 200kHz) |               |
| Pulse Width                    | <12ns@30kHz                                    |               |
| Average Power Stability        | <+3% over 24hours                              |               |
| 1/e2 Beam diameter             | 0.77mm   |               |
| Polarisation Direction / Ratio | Horizontal / 100:1                             |               |
| Size / Weight                  | 40.5 x 15.5 x 11.5 cm / 6.3 kg                 |               |
| Cooling Method                 | Water Cooling                                  |               |

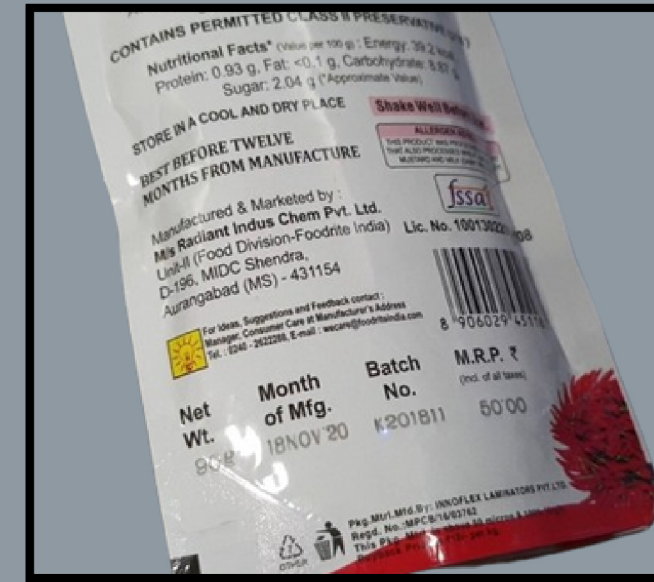
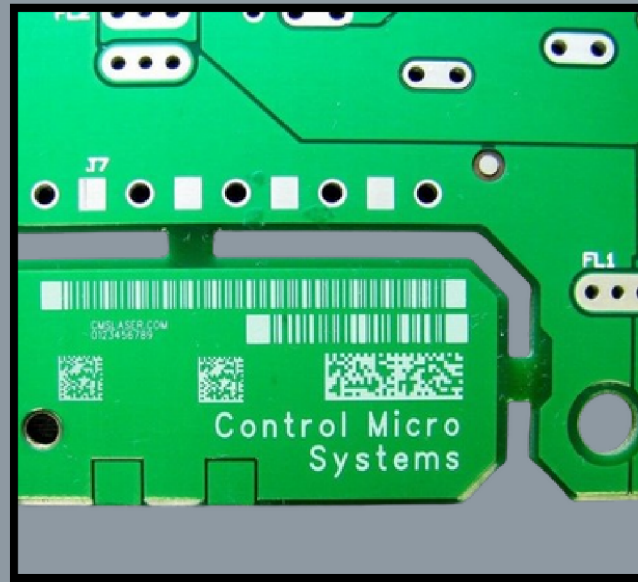


# Product List

## 10W/15W UV Laser Technical Specifications

| Output Sepecification          | Parameters                                     |                 |
|--------------------------------|--|-----------------|
| Model / Power                  | e10WNL-V1 (10W)                                | e15WNL-V1 (15W) |
| Wavelength                     | 355nm  |                 |
| Pulse Repetation Rate Range    | 60kHz to 150kHz (Option single shot to 200kHz) |                 |
| Pulse Width                    | <12ns@50kHz                                    | <16ns@50kHz     |
| Average Power Stability        | <+3% over 24hours                              |                 |
| 1/e2 Beam diameter             | 0.77mm   | 1.0mm           |
| Polarisation Direction / Ratio | Horizontal / 100:1                             |                 |
| Size / Weight                  | 42.70 x 11.5 x 15.5 cm / 7 kg                  |                 |
| Cooling Method                 | Water Cooling                                  |                 |

# UV Laser Application



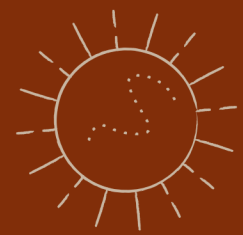
- Consumer Electronics & Packaging Industry
- Diamond and Jewelry Industry
- Automotive Industry
- Defence & Semiconductor
- Glass & Medical Industry
- 3D Printing



# Product List

## CO2 Laser Powered by Ceramic Technology

- Wavelength : 10.6um , 9.3um and 10.2 um
- Extended power stability from 2% to maximum power
- Short rise and fall times, good pulsing characteristics.
- W-Advanced RF driver electronics: reliable, efficient with highest reliability.
- Widely used in marking and cutting.



# Product List

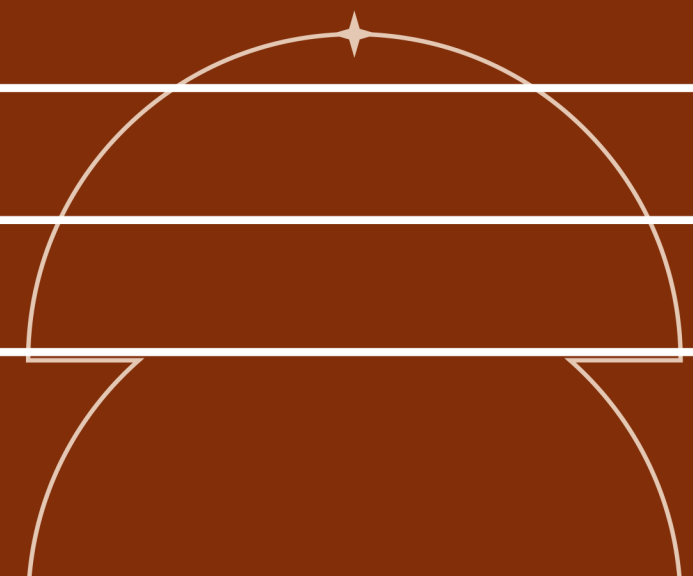
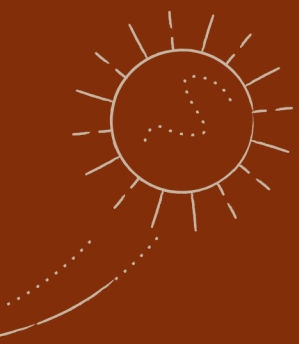
## 30W CO2 Laser Technical Specifications

| Output Sepecification | Parameters             |                 |                 |
|-----------------------|------------------------|-----------------|-----------------|
| Model / Power         | eRF35-V1 (30W)         | eRF35n-V1 (30W) | eRF35i-V1 (30W) |
| Wavelength            | 10.6um                 | 9.3um           | 10.2um          |
| Output Power          | >25 W                  | >30 W           | >28 W           |
| Beam Quality (M2)     | <1.2                   |                 |                 |
| Beam Diameter         | 2.2 mm + 0.5 mm        |                 |                 |
| Modulating Frequency  | 0 - 20kHz/0-100%       |                 |                 |
| Power Supply          | 48V / 12.5A            |                 |                 |
| Size (cm)/ Weight     | 36 X 9.6 X 14 / 6.6 Kg |                 |                 |
| Cooling Method        | Air Cooling            |                 |                 |

# Product List

## 30W CO2 Laser Technical Specifications

| Output Sepecification | Parameters             |                 |                 |
|-----------------------|------------------------|-----------------|-----------------|
| Model / Power         | eRF60-V1 (60W)         | eRF60n-V1 (60W) | eRF60i-V1 (60W) |
| Wavelength            | 10.6um                 | 9.3um           | 10.2um          |
| Output Power          | >55 W                  | >60 W           | >58 W           |
| Beam Quality (M2)     | <1.2                   |                 |                 |
| Beam Diameter         | 2.2 mm + 0.3 mm        |                 |                 |
| Modulating Frequency  | 0 - 20kHz/0-100%       |                 |                 |
| Power Supply          | 48V / 22A              |                 |                 |
| Size (cm) / Weight    | 53.7 X 9.3 X 14 / 10kg |                 |                 |
| Cooling Method        | Air Cooling            |                 |                 |



# UV Laser Application



- Consumer Electronics & Packaging
- Printing & Advertising Industry
- Agriculture & Irrigation Industry
- Defence & Semiconductor
- Glass & Medical
- Leather Industry
- Textile Industry



**Chiew Eddie**  
**Pansar Company Sdn Bhd, Malaysia**

*The result is awesome and wonderful.  
Quality, Response Time, and Complaint  
Handling of Support Team is excellent.*

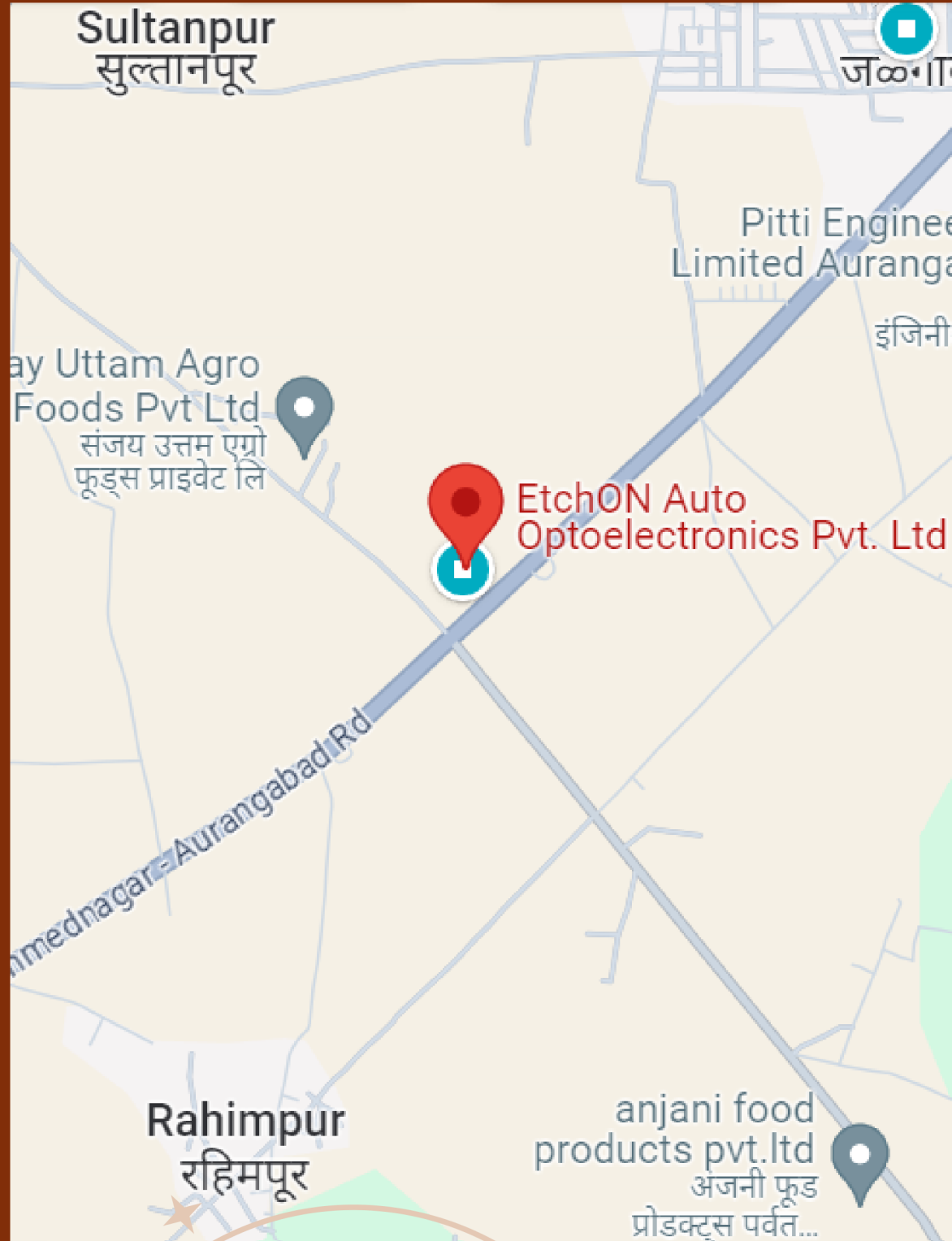


**Mahesh Rane**  
**Schneider Electric India Pvt. Ltd., India**

*I have experienced very customer-focused  
approach of all staff members from all  
functions of EtchON with very good  
technical expertise in this domain. Prompt  
Sales and Service support. All the Best to  
EtchON Team !*

# Testimonial





## Contact us :



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