

Compact Skid-Mounted PSA Nitrogen Generator Machine On-Site N2 Production for Laser Welding

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ECER
- Certification: ISO 9001:2015, CE
- Model Number: PSA-N2-10S
- Minimum Order Quantity: 1 Set
- Price: USD 12,000-18,000 / Set
- Packaging Details: Export-grade plywood case with moisture-proof film and shock-proof padding
- Delivery Time: 15-30 working days after deposit
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 50 Sets per Month



Product Specification

- Model: PSA-N2-10S
- Nitrogen Purity: 99.999% (5N)
- Nitrogen Flow Rate: 10 Nm3/h
- Pressure Dew Point: -60°C
- Working Pressure: 0.6-1.0 MPa
- Mounting Type: Skid-Mounted Design
- Application: Laser Welding Machines
- Control System: PLC Automatic Control
- Power Supply: 220V/50Hz Or 380V/50Hz
- Noise Level: ≤65 DB(A)
- Adsorbent: Carbon Molecular Sieve
- Highlight: **Compact Skid-Mounted Design,
On-Site N2 Production System,
Customized PSA Nitrogen Machine**

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Product Description

PSA Nitrogen Generator Machine with Skid-Mounted Design

Integrated Skid-Mounted Design | 99.999% Purity | Low Dew Point | Plug-and-Play Installation

This PSA-N2-10S is a complete **PSA nitrogen generator machine with skid-mounted design**, integrating air compressor interface, purification system, control cabinet and piping on a single heavy-duty steel skid. It delivers **99.999% (5N) high-purity nitrogen** with ultra-low dew point, ready for laser welding shielding gas supply immediately after connection to power and compressed air.

Key Selling Points

Skid-Mounted Design: All components pre-assembled, pre-piped and pre-wired on one skid, dramatically reducing on-site installation time and footprint.

Plug-and-Play Operation: Single-point connection for power and feed air, one-touch start-up with PLC automatic control.

99.999% High Purity Output: Dual-stage carbon molecular sieve adsorption ensures stable 5N grade nitrogen purity.

Ultra-Low Dew Point: Pressure dew point as low as -60°C for dry, oil-free shielding gas protecting laser weld quality.

Designed for Laser Welding: Flow rate 10 Nm³/h and pressure range matched to laser welding machine consumption profiles.

Customized Configuration: Flow rate, purity, dew point and accessories can be customized per your production line.

Technical Specifications

Parameter	Value
Model	PSA-N2-10S
Nitrogen Purity	99.999% (5N)
Nitrogen Flow Rate	10 Nm ³ /h
Pressure Dew Point	-60°C
Working Pressure	0.6-1.0 MPa
Mounting Type	Skid-Mounted Design
Application	Laser Welding Machines

Contact us today for a customized skid-mounted nitrogen generator solution for your laser welding line.



Suzhou Gaopu Ultra pure gas technology Co.,Ltd



+8613912609547



luyycn@163.com



nitrogengeneratorsystem.com

No.161 Zhongfeng Street, Suzhou New District, Suzhou, P.R.China