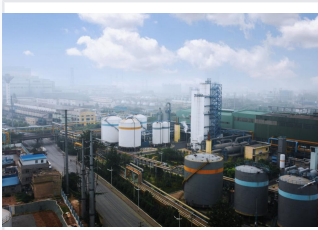


Large-Scale Oxygen-Air Separation Unit

Large-scale oxygen-air separation units employ advanced cryogenic distillation techniques. These units efficiently separate atmospheric air into its constituent components, producing high-purity oxygen and nitrogen for industrial use.



ADDITIONAL IMAGES



System Overview

Industrial Air Separation Capability

These large-scale oxygen-air separation units utilize advanced cryogenic distillation technologies to produce high-purity industrial gases at scale. Designed for heavy metallurgical and industrial applications, the systems support capacities exceeding 72,000 m³/h per unit. Our engineering expertise encompasses the entire lifecycle, from precise pressure vessel manufacturing to complex field installation, commissioning, and alignment of high-speed rotating equipment.

Performance Metrics

Operational Performance

1000000 m³/h
Total Erected Capacity

72000 m³/h
Max Single Unit Design

Compliance and Standards

Supported International Standards

ASME, BS, DIN, GOST, JIS

Technical Capabilities

Core Engineering Competencies

- Ultra-low temperature liquid storage manufacturing
- Intellectualized control system commissioning
- High-speed rotating equipment installation
- Advanced aluminum-magnesium and stainless steel welding
- Cold-box piping and deep cold testing

Advanced Installation Methods

Technique	Application
Symmetrical bilateral arc welding	Concurrent piping molding
Dual-machine lifting	Large vessel positioning
Fine alignment	Precision mechanical setup