

# Vacuum System with Root, Air Jet, and Reciprocating Piston Pumps

This vacuum system features a combination of root pump, air jet pump, and reciprocating piston pump. It is designed for industrial processes needing reliable vacuum generation, with optimized pump integration and a compact design.



## System Overview

### Industrial Multi-Stage Vacuum Solution

This advanced vacuum system integrates root, air jet, and reciprocating piston pumps to provide comprehensive vacuum generation for demanding industrial environments. The reciprocating piston pump serves as the foundation for the initial vacuum, while the air jet pump optimizes intermediate performance and the root pump ensures high vacuum levels are consistently achieved. Designed for efficiency and reliability, this compact system is ideal for demanding processes including industrial drying, degassing, and material conveying.

#### Key Features

Robust Construction, Compact Footprint, Multi-Stage Integration, Optimized Performance

## Application Data

### Suitable Industrial Processes

- Industrial Drying
- Degassing
- Material Conveying

## Technical Configuration

### Integrated Pump Technologies

Pump Type	Functional Role
Reciprocating Piston Pump	Initial Vacuum Generation
Air Jet Pump	Intermediate Vacuum Enhancement
Root Pump	High Vacuum Achievement