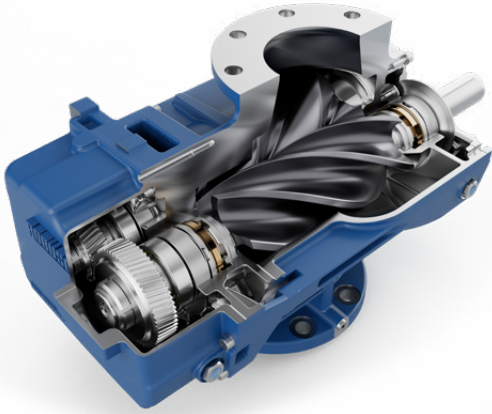




ROBUSCH®

ROBOX SCREW 2.0

NEW RSWX 65 AIREND

**SMARTER DESIGN. HIGHER EFFICIENCY.
LOWER TOTAL COST OF OWNERSHIP.**

The **Robox Screw 2.0** with the **new RSWX 65 Airend** sets a new benchmark in efficiency, reliability, and operational flexibility. Engineered with optimized internal geometry and improved thermal management, it delivers higher air flow, reduced power consumption, and extended maintenance intervals—helping customers achieve a lower Total Cost of Ownership.



RSWX

Delivering eXcellence

ROBOX SCREW 2.0

NEW RSWX 65 AIREND



Technical Highlights

- **Pressure range:** up to 1 bar
- **Capacity:** up to 1,850 m³/h, **10% higher flow** vs. RSW 65
- **Lubrication:** Splash lubrication
- **Design enhancements:**
 - > Clearance optimization
 - > Updated compression ratio
 - > Improved cooling system

Why Robox Screw 2.0 & RSWX?

- More air with less energy
- Reduced operating and maintenance costs
- Increased reliability and lifetime
- Designed for demanding and variable applications

Key Benefits

- **Up to 10% More Air Flow**
 - > Optimized clearances increase volumetric efficiency
 - > Higher usable flow range compared to the previous RSW 65
- **Reduced Energy Consumption**
 - > Optimized compression ratio based on operating delta pressure
 - > Average **power consumption reduced by up to 13%**
- **Optimized Pressure Management**
 - > Outlet ports designed to match system pressure
 - > Minimized internal losses for improved overall efficiency
- **Improved Thermal Performance**
 - > Discharge air temperature reduced by up to 20%
 - > Enhanced cooling system improves oil lifetime and reliability
- **Lower Maintenance Costs**
 - > Improved oil cooling and heat isolation from the compression chamber
 - > Longer maintenance intervals thanks to better thermal control
- **Greater Operational Flexibility**
 - > Lower discharge temperatures enable higher turndown capability
 - > Ideal for applications with variable air demand (e.g. wastewater treatment)

