

# Industrial Screw Chiller for Oxidation Processes

This industrial screw chiller is designed for section bar oxidation processes. It features a robust construction with an integrated control panel and screw compressor unit for efficient cooling.



## Overview

### Industrial Screw Chiller for Oxidation Processes

This advanced screw-style chiller is specifically engineered for high-performance section bar oxidation processes. It utilizes specialized anti-corrosion components to ensure durability while achieving an industry-leading COP of over 5.34. The integrated control system provides precise temperature regulation, ensuring consistent oxidation quality and color uniformity, while simultaneously offering energy savings of at least 37% compared to traditional indirect cooling methods.

## Performance Metrics

### Operational Efficiency

**5.34**

COP (Coefficient of Performance)

**37 %**

Energy Savings vs Indirect

**2 C**

Temperature Control Variance

## Technical Features

### Core Components

- Imported high-efficiency screw compressor
- Patent flooded anti-corrosion evaporator
- High-efficiency anti-corrosion condenser
- Advanced touchscreen computer control system

### Operational Benefits

Corrosion Resistant, Integrated Control, Energy Efficient, Direct Cooling, Hot Water Recovery

## Operating Conditions

### Operating Modes & Features

Feature	Specification
Waste Heat Recovery	Supplies 55C hot water
Winter Mode	Zero power consumption below 12C ambient
Installation	No plate heat exchanger or external tanks required