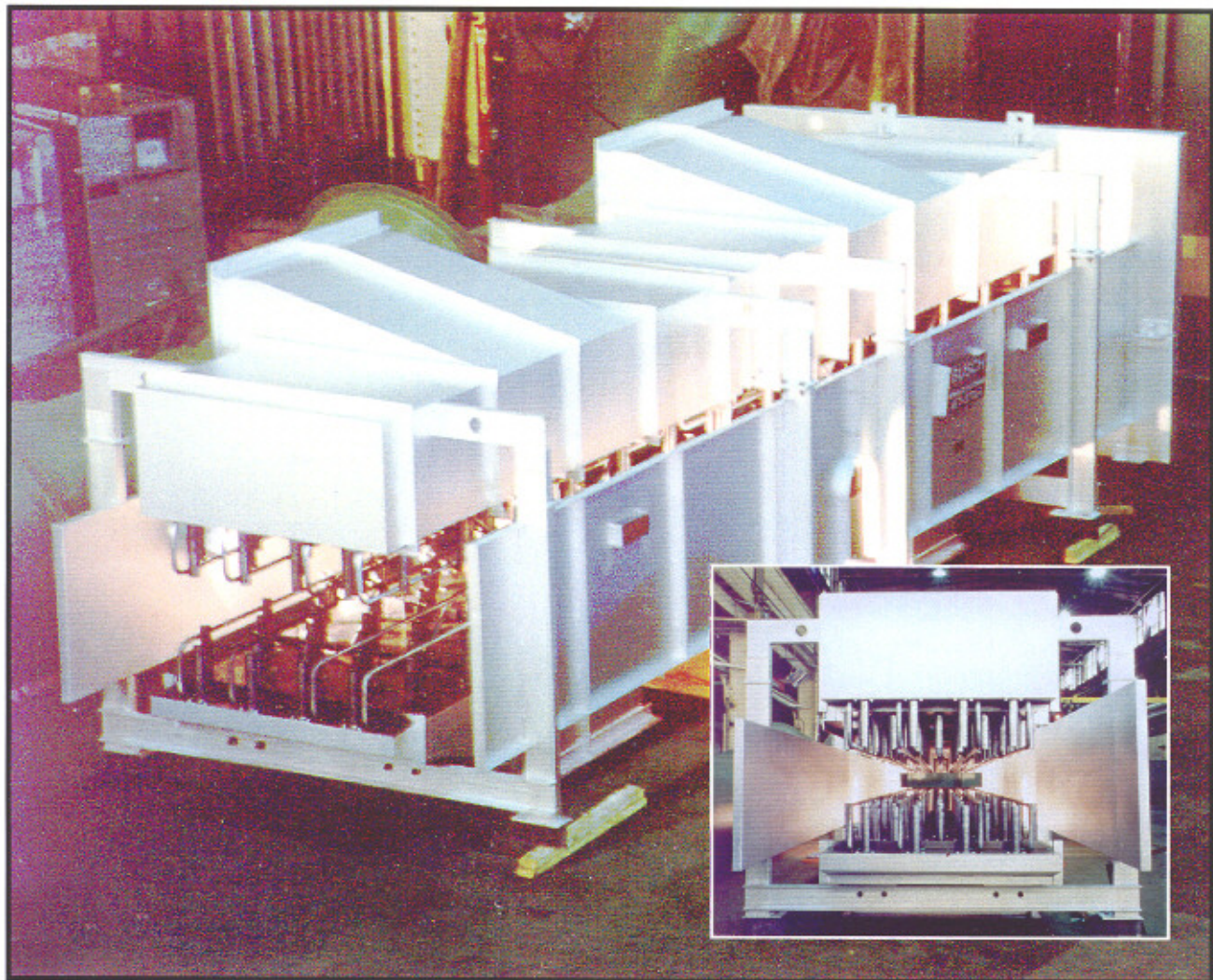


# BUSCH JET★STAR™

Strip Coolers For The Metals Industry



## *Strip Cooling System featuring high efficiency, uniform heat transfer and stable operation*

**T**he Busch **JET★STAR** Strip Cooling System is the most efficient method yet devised to air cool moving strip in the metals industry. **JET★STAR** technology utilizes a unique combination of sophisticated aerodynamic and thermodynamic principles. Its patented technology enables **JET★STAR** to cool heavier gauge strip at higher strip speeds while requiring less energy and space than older methods. The many advantages of **JET★STAR** are applicable to all types of process lines including those used for Galvanizing after pot cooling, minimize pre-cooling; Anneal and Pickle air quench after annealing furnace, cooling before rinse tank; Silicone Line post furnace cooling before coater.

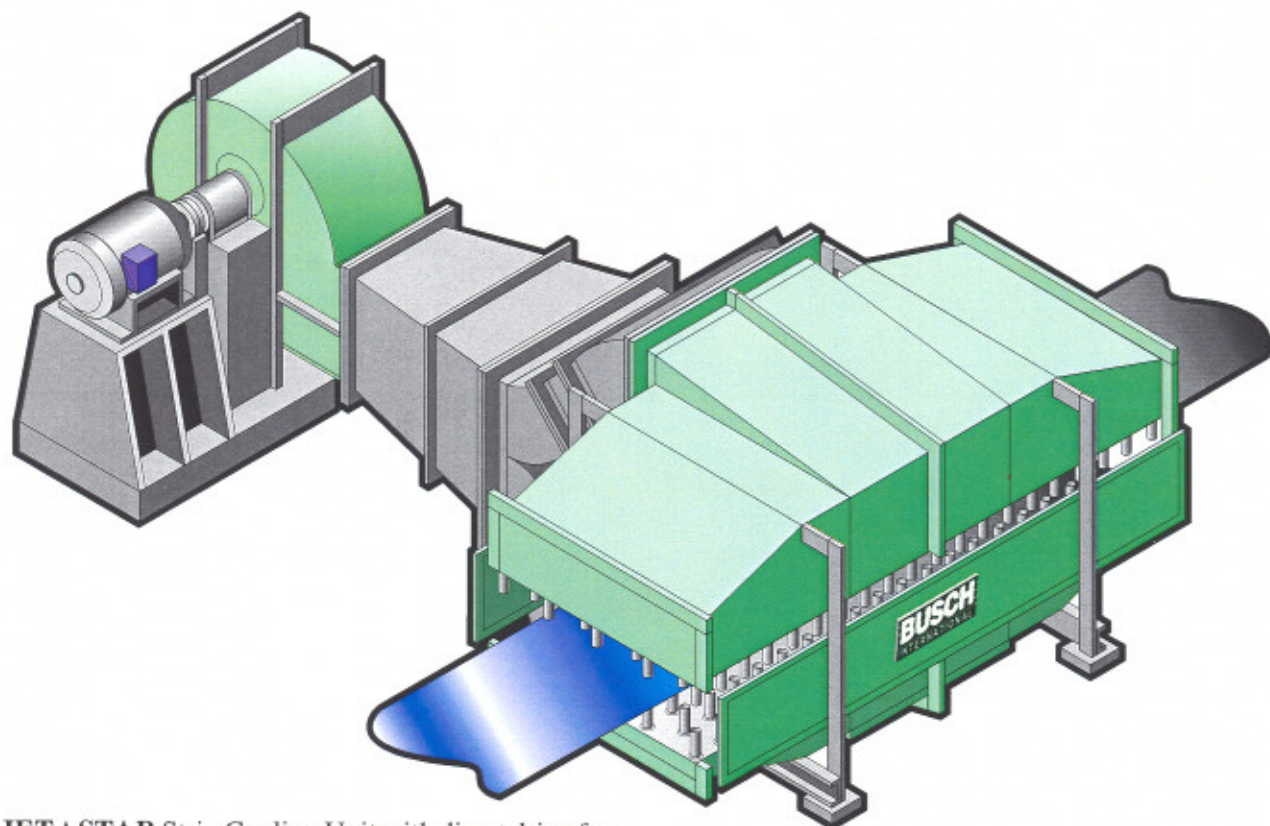
The thermal efficiency of **JET★STAR** is increased through a substantial reduction of thermal contamination, crossflow, and reentrainment of spent air. In retrofit applications, this increased efficiency often permits either a reduction in length of the cooling zone or a lower strip outlet temperature.

Another important benefit of the **JET★STAR** system is the reduction of aerodynamically induced strip instability (flutter). By putting the strip into an aerodynamically produced force field, strip stabilization is controlled and strip flutter problems are eliminated or substantially decreased.

Busch International has developed a proprietary computer-based methodology for selection of the proper **JET★STAR** configuration for each application. The database for this program was developed after several years of laboratory testing using equipment that closely simulates field conditions. Extensive verification of actual results was performed with operating **JET★STAR** systems.

## DESIGN AND CONSTRUCTION

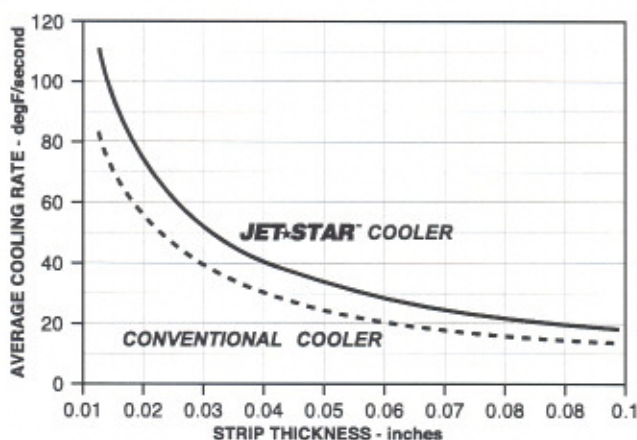
The **JET★STAR** Strip Cooling System is custom designed to meet site requirements. Capacity, unit arrangement and dimensions, number of nozzles, materials of construction and wiring can be modified to meet individual user specifications. Unit pre-assembly assures simplified installation and proper operation.



**JET★STAR** Strip Cooling Unit with direct drive fan, strip stabilization control, and aerodynamically designed nozzles.

## ACCESSORIES AND OPTIONS

- Variable speed drives
- Alternate paint systems
- Horizontal or vertical arrangement
- Support steel and platforms
- Vaneaxial fans
- Thermal or sound insulation
- Filters for outside air
- Temperature controls
- Crane for mini-spangle operation
- Heaters for strip drying applications



## STRIP COOLER PERFORMANCE CHART

Average cooling rate versus strip thickness for 260°F temperature drop with G90 coating through 20-foot long cooling zone.



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