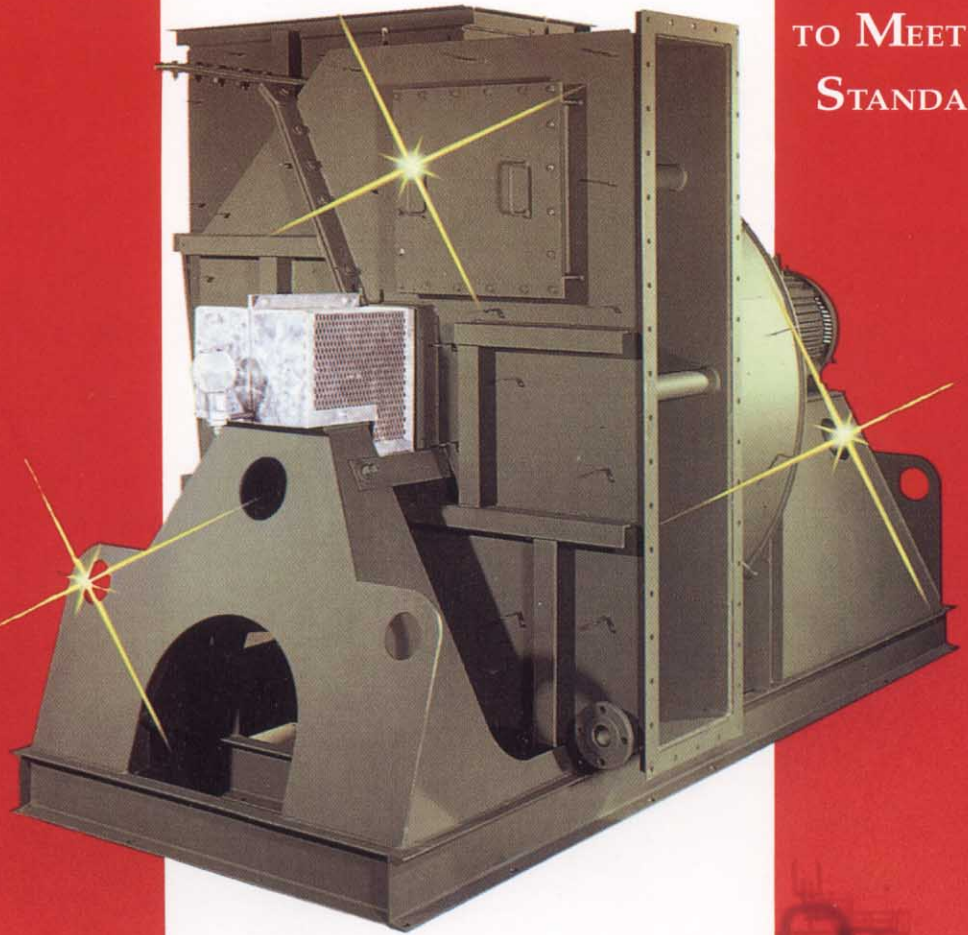


**CHICAGO**

SPECIAL  
PURPOSE  
CENTRIFUGAL  
FANS  
TO MEET API  
STANDARDS



HELPING  
REFINERIES  
ASSURE  
AIR FLOW  
RELIABILITY

**CHICAGO BLOWER CORPORATION**

1675 GLEN ELLYN ROAD  
GLENDALE HEIGHTS, ILLINOIS 60139, U.S.A.



## A TOTAL COMMITMENT TO QUALITY

An ISO 9001 Company

Meeting the stringent demands of the petroleum industry requires unique skills from experienced and dedicated personnel,

and exacting inspection procedures along with a total commitment to performance and quality. For years many of the world's major

petroleum suppliers have specified Chicago and received the leading edge of reliability in the process.

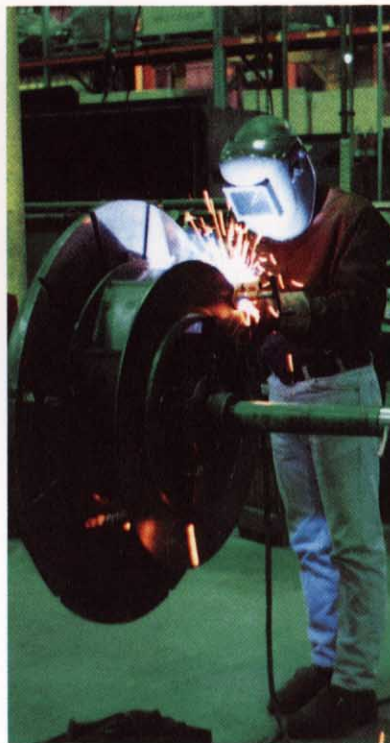
*Split Inlet Cone Facilitates Wheel Removal*



## THOROUGH QUALITY ENGINEERING

It starts with the certified material to meet established ASTM properties. Then every gauge must be checked to assure compliance with high industry standards. Critical speeds and resonance frequencies must also be calculated.

Although Chicago builds many fans for a variety of refinery applications, each one is individually engineered for the unique demands of the specific installation. There are no short cuts to Chicago quality and reliability.



## COMPLIANCE TO EXCELLENCE

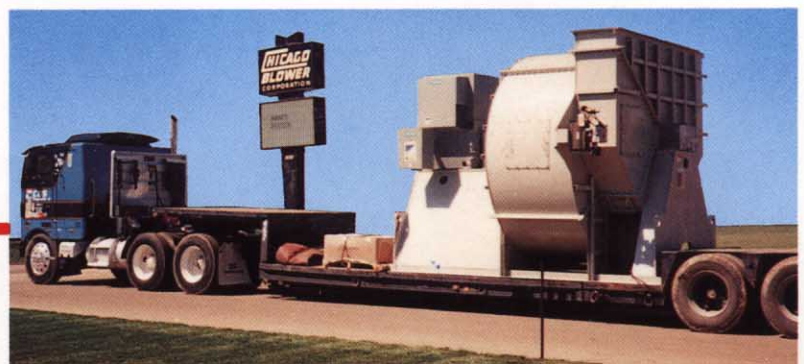
Quality welding is critical to fan longevity. Experienced welders are certified to tough AWS standards that qualify Chicago fans for petroleum applications. Welding inspection procedures include verifying electrical settings, filler material and work angles. Every phase of fan manufacture is guided by a strict Quality Assurance program.

**Wheel Welding to AWS D14.6**

Chicago's expertise extends to every corner of the world, especially significant to the global petroleum industry. Chicago Blower's American sales offices,

foreign licensees and corporate headquarters in Glendale Heights, Illinois stand ready to assist refineries assure air flow reliability anywhere in the world.

**Each fan is fully pre-assembled prior to shipment to assure proper fit during final field assembly.**



# INDUSTRIAL CENTRIFUGAL FANS FOR PETROLEUM APPLICATIONS

## PRECISE FAN SELECTION

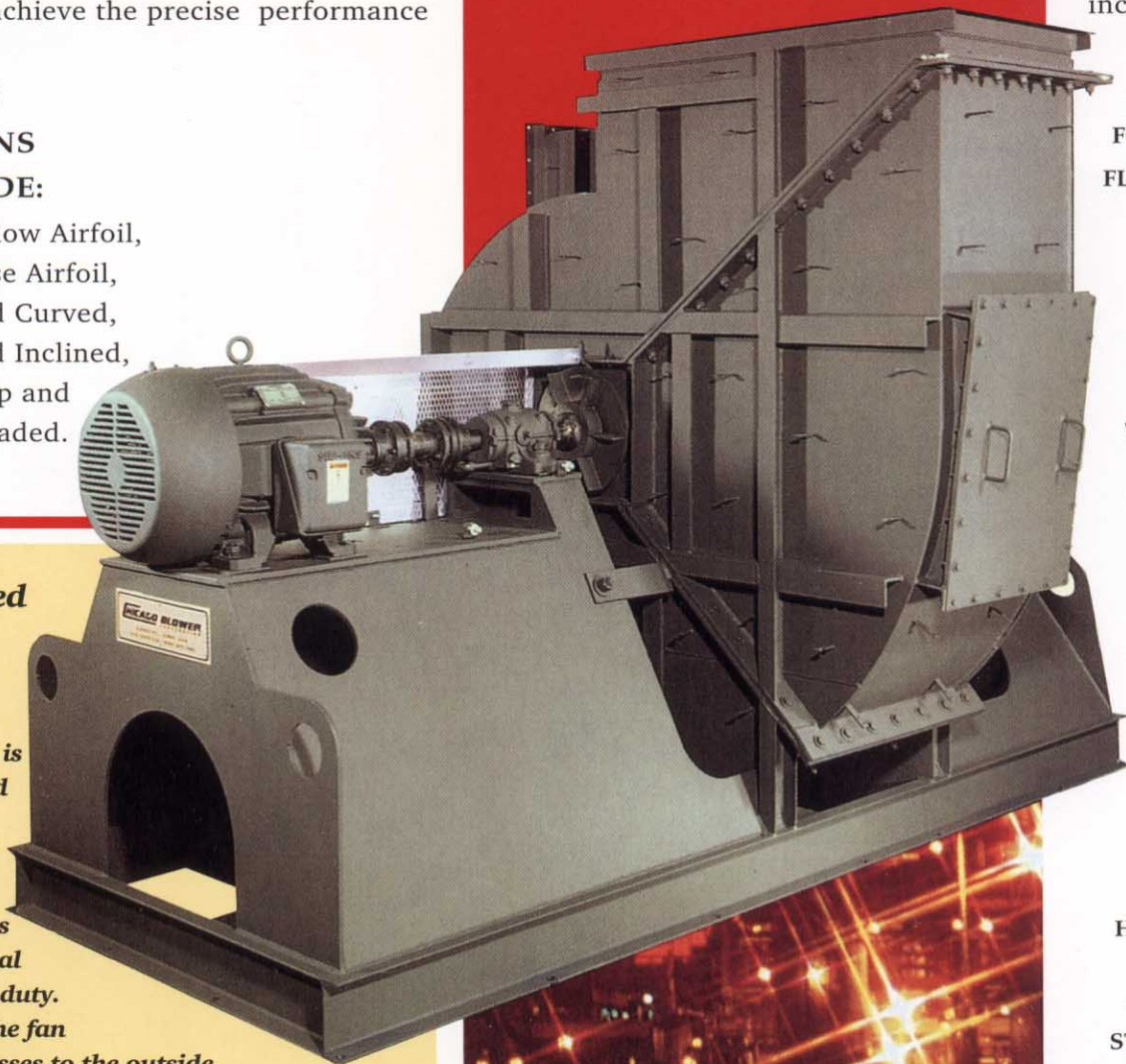
To fulfill individual performance specifications with the most efficient fans, Chicago offers 15 distinct designs. Each of the designs can then be custom sized to achieve the precise performance required.

### BLADE DESIGNS INCLUDE:

True Hollow Airfoil,  
Solid Nose Airfoil,  
Backward Curved,  
Backward Inclined,  
Radial Tip and  
Radial Bladed.

### *Induced Draft Fan*

*This fan is equipped with added blade thickness for typical refinery duty. Where the fan shaft passes to the outside air, a stainless steel sleeve protects against condensation triggered corrosion. Other special features include galvanized guards, drains flanged for piping, oversize inspection doors, spacer coupling and a split housing for rotor removal service.*



## MEETS REFINERY NEEDS

Chicago is accustomed to the unique requirements of refinery applications. Construction specifications often include:

- CODE WELDING
- FORGED SHAFTS
- FLANGED DRAINS
- SPLIT INLET CONES
- GALVANIZED GUARDS
- VIBRATION SENSORS
- TEMPERATURE PROBES
- MECHANICAL RUN TESTING
- OVERSIZE INSPECTION DOORS
- ADJUSTABLE INLET VANES
- SLEEVE BEARINGS
- SPACER COUPLINGS
- POST WELD HEAT TREATING
- CORROSION ALLOWANCES
- STAINLESS STEEL NAMEPLATES
- INORGANIC ZINC COATINGS

and many other custom features

# CHICAGO BLOWER GLOBAL SALES ENGINEERS

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Germany	Malaysia	Turkey
Greece	New Zealand	Venezuela
	Norway	



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