



**Air Separation  
Technologies Inc.**

## **Line Card**



Clean air.  
Safe facilities.  
Integrated solutions.

[www.astgroup.ca](http://www.astgroup.ca)



## CAPABILITIES

- System evaluation
- Airflow testing and balancing
- System design engineering
- Combustible dust testing
- Dust Hazard Analysis (DHA)
- Equipment selection and sales, new & used
- Turnkey installations
- Aftermarket filters and parts
- Preventative maintenance and service
- Fire and explosion mitigation
- Industrial fire suppression systems
- Stack Pollution Control
- Industrial vacuums - central & stand-alone
- Odour Control & Containment
- Dioxin & Furan Control
- Remote system monitoring

## INDUSTRIES SERVED

- Food
- Pharmaceutical
- Mining
- Metal Working
- Woodworking
- Grain, Agriculture and Feed
- Cement and Minerals
- Chemicals and Plastics
- Aerospace
- Steel Processing
- Foundries
- Mills
- EV Battery manufacturing

## TYPICAL APPLICATIONS

- Weld Fume Collection
- Laser/Plasma Cutting
- Water, Smoke and Oil Mist Collection
- Abrasive Blasting
- Thermal Spray
- Conveyor Belt Transfer Points
- Silo Bin Venting
- Grinding
- Pill Coating
- Pan Coating
- Packaging Lines
- Hammer Mills
- CNC Machining

## CLIENTS INCLUDE

- Automotive: Toyota, Honda, General Motors, Linamar, Magna, Multimatic
- Steel Processing: Russel Metals, Brannon Steel
- Pharmaceutical: Apotex, Patheon, GlaxoSmithKline
- Food: Aryzta, Unilever, Sensient Flavours, Wrigley, Kraft, Mondelez, Redpath Sugar
- Mining: Vale, Activation Labs, Goldcorp, Unimin, IKO, F&X Mining, SGS, Mosaic
- Grain, Agriculture & Feed: ADM, P&H Milling, Bunge, Casco, Hensall District Cooperative
- Aerospace: Bombardier, FAG Aerospace, MHI Aerospace, Goodrich Landing Gear
- Chemical: Kemira Chemicals, Nova Chemical, Suncor
- Cement & Minerals: Dufferin Aggregates, Permacon, Essroc
- Steel Mills: ArcelorMittal Dofasco, U.S. Steel
- Nuclear: Cameco, Zircatec, Atomic Energy of Canada

## DUST, MIST & FUME COLLECTION



- Baghouse And Cartridge Style Collectors
- Cyclone Collectors, Mist/Fume Collectors
- Replacement Filters For All Dust, Mist Or Fume Collectors



## SCRUBBERS



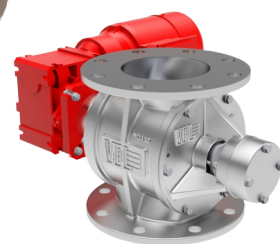
- Whirl Wet® wet Dust Collection Systems, Micron Sizes At Efficiencies Of 99% And Higher
- Packed Bed Acid And Fume Scrubbers
- Tri-NO<sub>x</sub> Wet Scrubber System, Handles Any NO/NO<sub>2</sub>
- Cloud Chamber Scrubber (ccs) For Fine Particulate Air Steams
- Tri-mer Multi-phase Bio-system For VOC Control



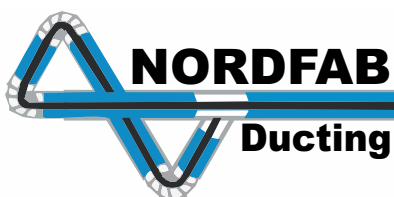
## EXPLOSION PROTECTION



- Flameless Venting
- Pipeline Isolation
- Explosion Suppression
- Explosion Venting Panels
- Rotary Valves



## QUICK-FIT DUCTING



- Easy and Fast To Install
- Ideal for Dust, Mist & Fume Collection
- Blast Gates, Diverters, Explosion Isolation Valves
- Available In Galvanized, Stainless Steel and Aluminum





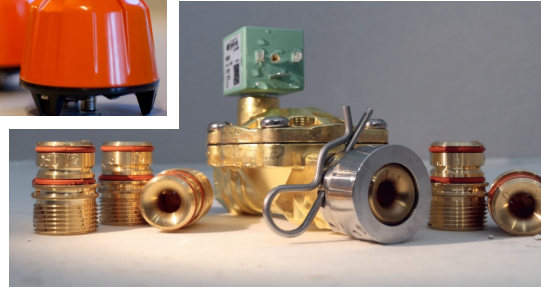
## QUICK FIRE SUPPRESSION SYSTEMS



PREVENTATIVE PROTECTION SYSTEMS FROM

**firefly ab**  
SWEDEN

- World-leading supplier of spark detection, fire & dust explosion protection systems
- Used for critical machinery & high-risk areas
- Patented IR detection technology for rapid detection
- Patented rapid water mist extinguishes particles within milliseconds of detection



## INDUSTRIAL VACUUMS



**Nilfisk®**

- Explosion-Proof Hazardous Location Vacuums
- Machine Shop Vacuums
- Wet/Dry Vacuums
- Central Vacuums
- Pneumatic Vacuums
- Battery Powered Vacuums
- Cleanroom Vacuums
- Safety Vacuums



## ODOUR CONTROL AND CONTAINMENT

**BARNEBEY  
SUTCLIFFE®**

A Division of Continental Carbon Group

- Bag-in/Bag-out Containment Housings
- Carbon Filters And Housings
- Deep Bed Carbon Adsorbers
- Bubble-tight Isolation Dampers



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**AST GROUP  
OF COMPANIES**

905-821-8860

