EN

CFT AUSTRALIA

BREATHE THE DIFFERENCE

Advanced Air Solutions for Mining

Dedusting

Ventilation

Air Cooling Systems

www.cft-gmbh.de

Certified for Coal – Trusted in Tunnels: Our Mobile Dry Dedusters

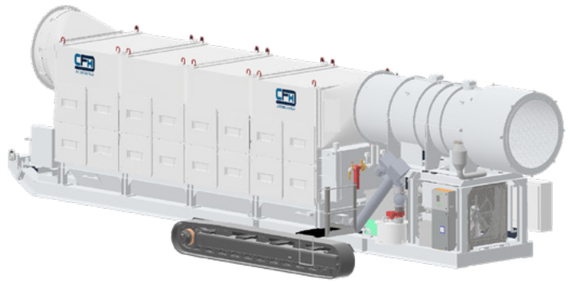
The CFH Mobile Dry Deduster is a high-capacity dry dust extractor designed for the tunnelling and mining industry. These units effectively remove airborne contaminants from the working area to less than 0.05 mg/m³.

Key Features:

- Airflow: Up to 80 m³/s
- Residual dust output: < 0.05 mg/m³
- Patented filter design – multiple filter media options available
- Self-cleaning pulse-jet filters
- Smart PLC control with remote diagnostics
- Skid, stepping, trailer, monorail, or track mobility
- No manual dust interaction
- Slurry, bulka bag, or direct belt dust discharge
- Certified to AS/NZS standards
- Compliant to be used in coal and hardrock environments

Flexible Configurations for Every Mining Environment

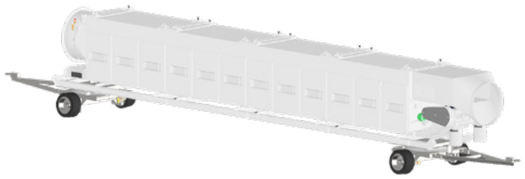
From tracked units to trailer-based and diesel-powered variants, CFH's Mobile Dry Dedusters are built to suit all underground and surface requirements.



Onboard Diesel Power

415/1000V track mobility

415/Stepping system mobility



1000V trailer system

Model	Power Source	Best For
Onboard Diesel Power	Diesel Hydraulic	Sites without electrical access
Stepping System	415/1000VAC Electric	Straight drives, minimal movement
Track Mobility	415/1000VAC Electric	Fast relocation and flexibility
Trailer system	415/1000VAC Electric	Tight spaces, smaller systems

CFT SMART FILTER

Smart Control Technology
Safer Operation. Real-Time Monitoring.

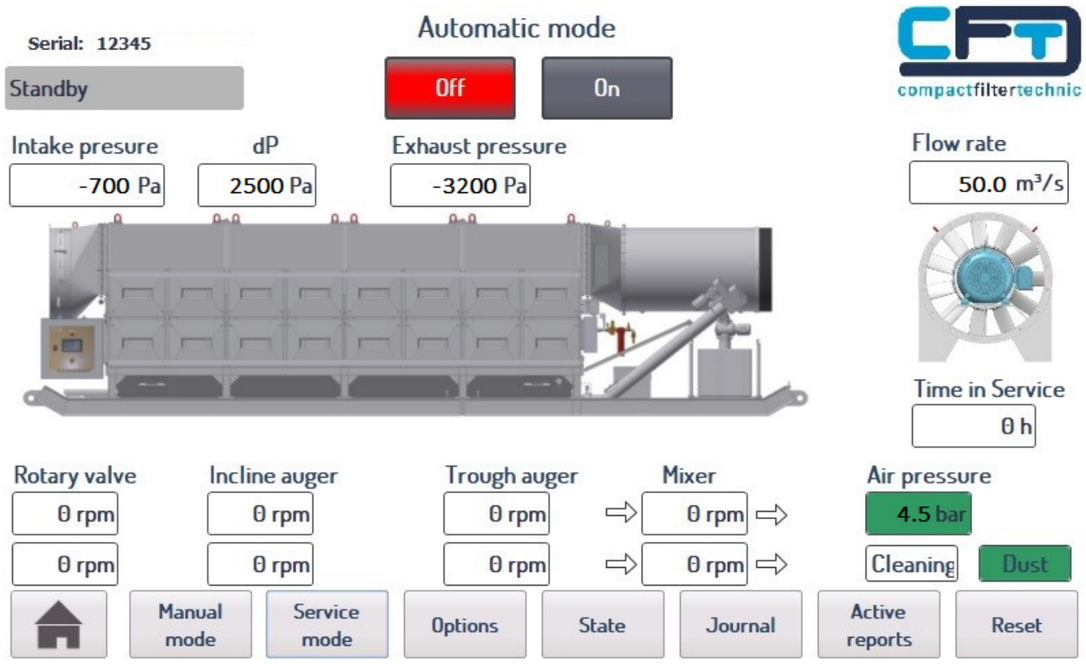
CFH dry dedusting systems are equipped with Smart Filter Control, built around Siemens PLC and HMI platforms. These industrial-grade systems provide real-time visibility into deduster performance — helping operators make informed decisions underground or at the surface.

User Interface – Clear, Simple, Powerful

- 9“ Siemens HMI touchscreen
- Easy-to-navigate interface with clear visualisation of system status
- Switchable manual and automatic modes for onsite control
- Live readouts of:
  - Airflow volume (e.g. 50.0 m³/s)
  - Intake, differential & exhaust pressures
  - Component speed (valves, augers, mixer)
  - Compressed air pressure
  - Time in service and filter cleaning activity
- Visual indicators for filter cycles, system faults, and performance thresholds

Real-Time Surface Monitoring

- Continuous data logging and fault reporting
- Remote visibility from surface control rooms
- Supports early intervention before system performance declines



CFT DRY SCRUBBERS

Belt Transfer Deduster
Eliminate Dust. Ditch the Water.

The CFH Belt Transfer Dry Deduster captures dust at conveyor transfer points — eliminating the need for water sprays, reducing belt carryback, and improving air quality in belt roadways.

Key Features:

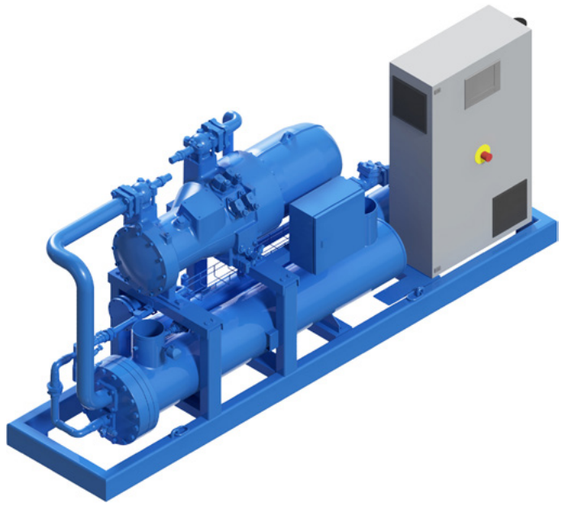
- Compact, low-profile integration
- Custom sizing for any belt width and chute design
- Captures airborne dust at source
- Dust is returned to conveyor
- No water, no slurry, no clean-up
- Low maintenance, automated filter cleaning

Water Cooling Systems
Precision Water Cooling

WAT's water chillers deliver efficient, high-capacity cooling for underground mining and tunnelling environments. Modular and adaptable, WAT water cooling solutions are ideal for bulk air cooling, machinery heat rejection, and temperature control in deep and hot mines.

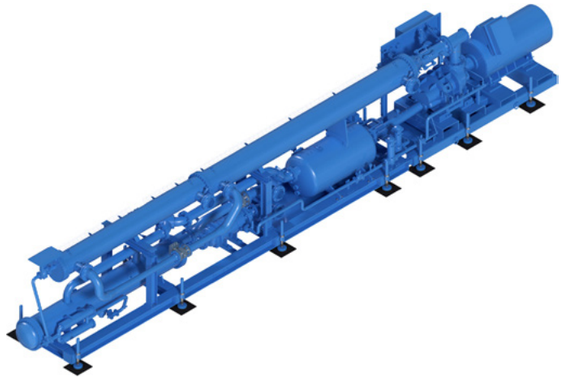
Compact Water Chillers

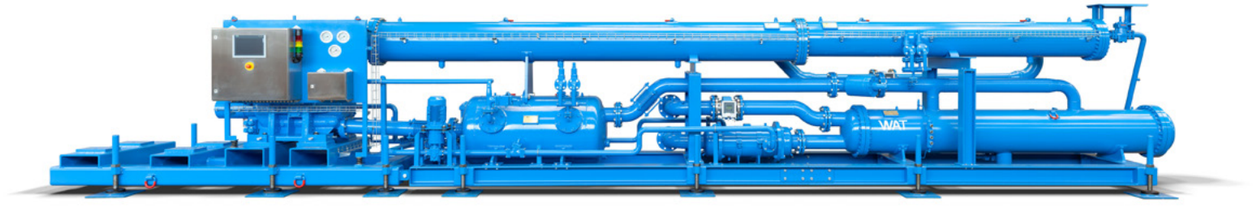
- Cooling capacity 100kW – 1.000kW
- Local water cooling in tunneling & mining
- Compact design, „turn-key ready"
- USP: Customizing (e.g. pump-units, ...)



Water Chillers

- Cooling capacity 1.000kW – 3.300kW
- Centralized water cooling in mining
- Modular design, easy transport and assembly
- USP: 160bar-condenser and ATEX-approval





Air Cooling Systems & Heat Exchangers
Cooling Made Simple & in the Zone.

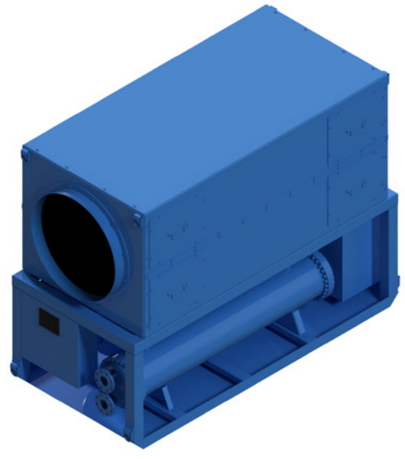
WAT Air Cooling Systems deliver efficient localised cooling in underground environments. Designed for reliability and easy deployment, the systems use direct evaporation or chilled water to reduce temperatures quickly and effectively.

Air-Coolers (ACUs)

- Cooling capacity 25kW – 2.000kW
- Local bulk-air cooling in tunneling & mining
- Compact design, robust and dust-air proofen
- USP: WAT© coiled-tube heat-exchanger

Air-Cooling Machines

- Cooling capacity 300kW – 450kW
- Local bulk-air cooling in tunneling & mining
- Compact design, flexible and transportable
- USP: Direct evaporation without chilled water



BREATHE NOW – TALK TO US!

CFH Airtechnic Australia delivers advanced dry dedusting and underground cooling systems engineered for the harshest mining conditions. With over 40 dedusting units operating across Australia and 500+ globally, we provide real-world solutions that reduce airborne dust, improve worker safety, and support efficient production. Our range now includes robust water and airbased cooling systems from WAT, delivering climate control for coal, hard rock, tunnelling, port, and processing operations.

Underground operations face two critical environmental challenges: airborne dust and excessive heat. Dust risks worker health, equipment reliability, and regulatory compliance. Traditional water sprays reduce visibility and create slurry-related maintenance issues without effectively capturing fine respirable dust. At the same time, rising underground temperatures threaten productivity, increase worker fatigue, and push ventilation systems to their limits. Effective, reliable cooling is essential — yet many systems are inefficient, water-dependent, or not built for the demands of modern mining.

CFH Airtechnic Australia delivers integrated environmental control through advanced dry dedusting and underground cooling systems. Our dry dedusters remove airborne dust at the source — with no water, no slurry, and no manual filter cleaning — improving compliance, visibility, and safety. Paired with WAT's proven water and air cooling solutions, we offer mine-ready systems that reduce heat load, improve working conditions, and support efficient, high-performance operations in the toughest underground environments.

We are always interested in your projects and look forward to hearing from you!

CFH AUSTRALIA

CFH Airtechnic Australia
16 Spitfire Place Rutherford NSW 2320

+61 2 4936 9000
sales@cfhaustralia.com

www.cft-gmbh.de