

FILTERTECH IS "WIRE DRAWING FILTRATION"



For over 31 years, Filtertech has serviced the wire industry by providing state-of-the-art filtration and waste disposal systems for every facet of the process from drawing, waste emulsion disposal, annealing, deionized water make-up, as well as ferrous and non-ferrous wire drawing. When it comes to dedicated service and a record of continued innovative technology advancements in filtration, Filtertech is the industry leader.

COPPER WIRE DRAWING

For copper wire drawing applications, Filtertech offers highly efficient media filters and complete filtration systems which clarify the oil-water emulsion as well as provide temperature control to remove excess heat from the system. Filtertech's systems are designed for either single machine use or multiple machines in a centralized system. Systems include filters, reservoir tanks, pumps, heat exchangers, temperature, pressure and level control devices along with a control panel for completely automatic operation of the system. To complete the system package, Filtertech also provides transfer sumps to return the dirty coolant to the filtration system when gravity returns are not possible. For more information on system design, request our Product Bulletin FT200 or for details on our single machine systems request our Product Bulletins FT202 and FT 204A. For related information, request Technical Paper FT103.



Annealing Quench Filtration System. ▲

CONTINUOUS CAST ROD ROLLING

For continuous cast rolling of copper and aluminum rod, Filtertech offers self-cleaning conveyORIZED tanks with efficient flat bed vacuum filters for a wide range of flow requirements. This equipment efficiently removes solids generated during the rolling process as well as other contaminants which result in metal inclusions in the rod and subsequent wire breaks in down stream drawing processes. This helps to achieve the highest quality rod while at the same time extends coolant life and reduces roll wear. For additional information on our system design concepts and single machine system details, request our Product Bulletins FT200 and FT215E.



*Typical Individual Filtration System ▲
For Copper Wire Drawing.*



*Typical Centralized Filtration System ▲
For Copper Wire Drawing.*

ANNEALING QUENCH

For resistance annealing applications, Filtertech offers efficient media clarifiers and complete systems for the removal of copper or aluminum fines and smut generated in the annealing process. This improves cleanliness of the wire along with reducing plate out in the annealer. For additional information on our system design concepts and single machine system details, request our Product Bulletins FT200, FT202, FT203 and FT204A.



*1000 GPM Continuous Cast ▲
Rod Rolling Filtration*

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ALUMINUM WIRE DRAWING

For aluminum wire drawing applications, Filtertech offers six models of highly efficient, fully automatic centrifuges which when operated on a bypass basis, provide dramatically improved oil clarity and reduced viscosity. Filtertech couples these centrifuges with a unique reservoir tank design that maximizes solids removal from the oil. As with the copper wire drawing, these systems are available with heat exchangers for temperature control of the oil. See our Product Bulletins FT220B, FT224, FT229A and FT320 for more information on our complete line of automatic centrifuges. For related information, request Technical Paper FT100.



◀ *Model APF Automatic Pressure Filter.*

Aluminum Wire Drawing Filtration System. ▼



STEEL WIRE DRAWING AND ZINC PHOSPHATING

For drawing stainless steel wire Filtertech offers an automatic pressure filter (APF) to remove these fine particulates. In addition the pressure filter provides excellent clarity for zinc phosphating baths as well. For additional information on our fully automatic pressure filter, request our product bulletin FT219A.

COOLING TOWER AND CV LINE COOLING WATER

To remove heat from many of the drawing emulsions and oils being used, Filtertech provides complete non-contact cooling water systems which include the cooling tower, reservoir tanks, recirculation pumps and clarifiers when necessary. In addition, Filtertech also offers filters and complete filtration systems for the clarification of contact cooling water used on CV insulating lines.



◀ *Typical Cooling Tower System.*



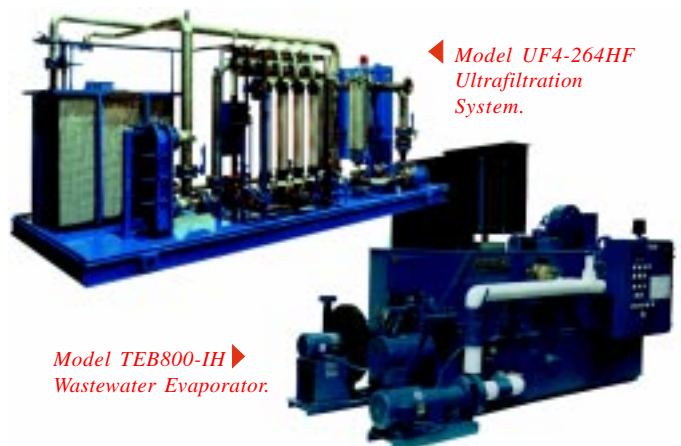
◀ *Model RO-10800 Reverse Osmosis System.*

DEIONIZED WATER MAKE-UP

To provide contaminant free make-up water for various wire drawing processes, Filtertech offers a deionized water make-up system utilizing reverse osmosis technology that provides deionized water as make-up for evaporative losses and eliminates build-up of contaminants in the process. These systems also include any pretreatment when necessary to provide long membrane life. For more information on our complete line of Reverse Osmosis Systems, request our Product Bulletin FT228.

WASTEWATER / EMULSION DISPOSAL SYSTEMS

For the waste minimization and disposal of various wire drawing emulsions and aqueous cleaners, Filtertech offers several treatment options. The Filtertech Model TEB wastewater evaporator removes the water phase from the emulsion through evaporation. The Filtertech Model UF ultrafiltration system removes the water phase through membrane separation. Both processes reduce the waste disposal volume significantly to minimize your overall disposal cost. Request Product Bulletins FT212C and FT221 for more information on our wastewater evaporators and Ultrafiltration systems.



◀ *Model UF4-264HF Ultrafiltration System.*

Model TEB800-IH ▶ Wastewater Evaporator.

Note: All literature is available upon request or can be easily downloaded from our website www.filtertech.com.

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