

SURFACE TREATMENT SOLUTIONS

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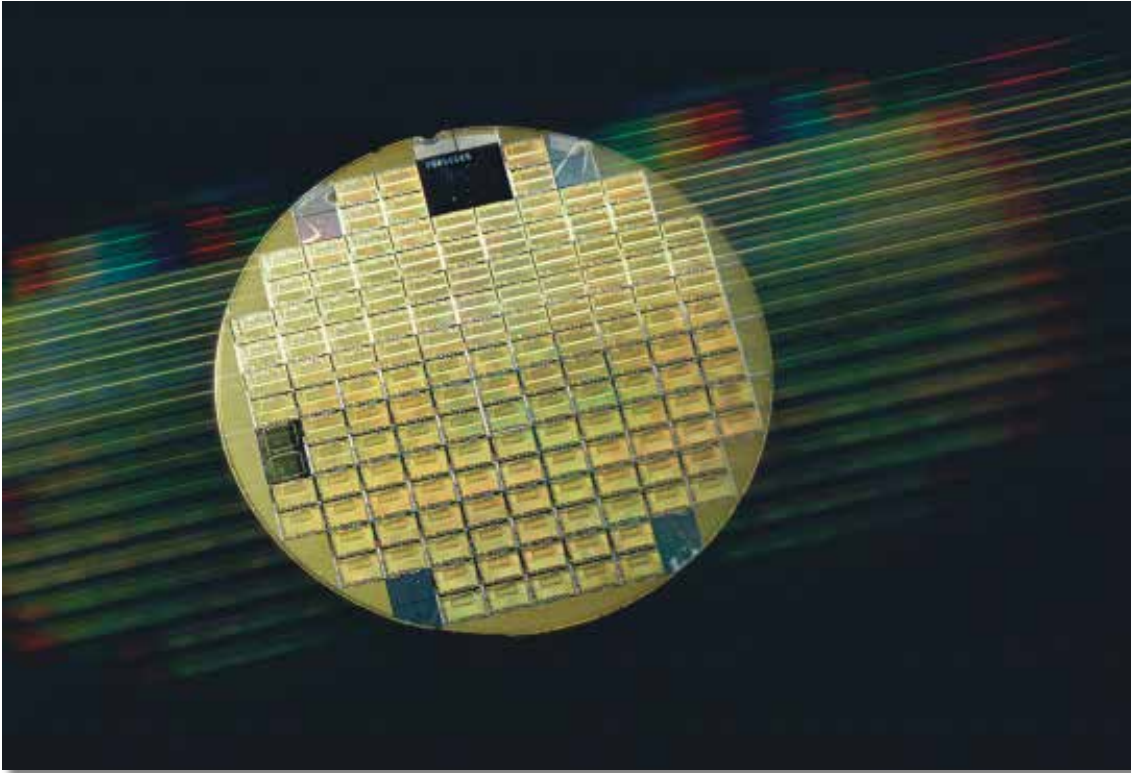




We know how to deal with liquids

Tapflo has served the surface treatment industry with pumps since more than 25 years. We have the knowledge of selecting the right pumps and filters for the different applications that are present in today's galvanic industries. We also have the unique advantage of having our own production on almost every type of pump and filter used in the surface treatment industry. With fewer hands between manufacture and end user, the price and availability is a great strength.





Creating a safe process

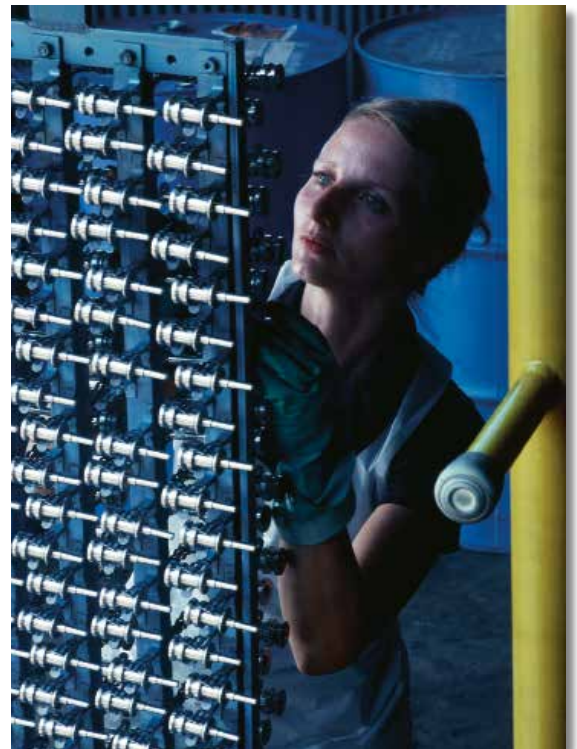
Many hazardous chemicals are used in surface treatment processes. An important issue is to provide a safe environment throughout the process from pre-treatment, surface treatment, after treatment to waste handling. This involves encapsulation and automatization of the process and handling of chemicals. Safe and reliable pumps and filters are important components to create a safe process.

Process examples

- Electrolytic zinc plating
- Copper, Nickel, Tin, Silver and Gold plating
- Alcalic zinc
- Zinc-iron
- Zinc-nickel
- Hexavalent Chromium-free plating
- Chromates/Passivation
- Acid zinc
- Chemical nickel
- Anodic coating
- Organic coating

Duties for our pumps & filters

- Degreasing bath
- Pickling bath
- Alkaline bath
- Acid bath
- Electro-plating bath
- Waste from bath
- Drum handling
- Filterpress feeding

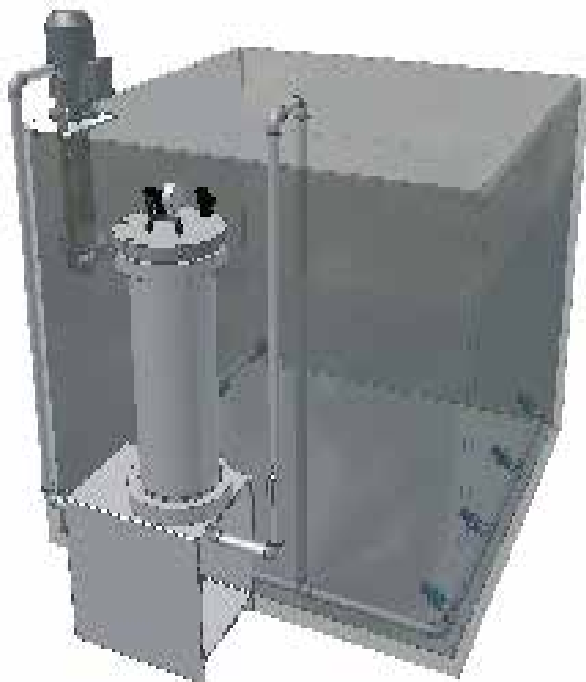




◀ Compact TF filterpress pumps installed for recovering solid waste from water



Filter FT and magdrive pump CTM used ▶ for circulation and filtering of surface treatment bath



Filtering and agitation
Standalone FT filter installed in series with CTV vertical pump and agitation nozzles. The CTV pump is strong and insensitive, making it ideal for installations in pre treatment baths where particles are present.

T air operated diaphragm pumps

Versatile pump for transfer and circulation duties of most type of chemicals, sampling, waste and sludge handling.



Hermetic and seal less



Easy to control capacity and pressure



Self priming – flexible installation options

Flow 0-800 l/min

Pressure 0-8 bar

Materials PE, PTFE, aluminium, cast iron and stainless steel

TX ATEX approved diaphragm pumps

Explosion proof version of the T series according to ATEX group II, category 2 for operation in hazardous areas.



Explosion safe with no electricity



Inexpensive compared with electric pumps

Flow 0-400 l/min

Pressure 0-8 bar

Materials PE, PTFE, aluminium, cast iron and stainless steel

TD diaphragm drum pumps

Handheld pump for dispensing chemicals, degreasing and cleaning agents from drums and IBCs.



Quick and convenient dispensing from drums



Easy to control capacity and pressure

Flow 0-120 l/min

Pressure 0-8 bar

Materials PE, PTFE, aluminium, cast iron and stainless steel

TF filterpress diaphragm pumps

Compact pump station for waste products to the filter press.



- ✓ Self-regulating flow and pressure
– no need of expensive control equipment
- ✓ High pressure (max 14 bar)
– good filter results

Flow 0-400 l/min
Pressure 0-14 bar
Materials PE, aluminium, cast iron and stainless steel 316 L

CT centrifugal pumps

Compact and efficient pump for non-hazardous liquids.



- ✓ Reliable but inexpensive pump for water, oils or mild chemicals
- ✓ Open impeller - insensitive to solids

Flow max 42 m³/h
Pressure max 47 m
Materials stainless steel 316L

CTM magdrive centrifugal pumps

Seal less pumps ideal for hazardous fluids, commonly used transfer, filtering and circulation applications.



- ✓ No leakage of dangerous fluids or vapours provides a safe working environment
- ✓ Compact and efficient pumps
- ✓ Reliable but inexpensive

Flow max 10 m³/h
Pressure max 13 m
Materials PP and PVDF

For detailed product information please contact us or visit www.tapflo.com

CTV vertical centrifugal pumps

Seal less pumps for transfer and return pumping in galvanizing, hot zinc, pickling, oxidation processes and sump emptying.



- ✓ No mechanical seal
– leakage free and maintenance friendly
- ✓ Insensitive to solids
- ✓ Polished stainless steel version available

Flow max 34 m³/h
Head max 31 m
Materials PP, PVDF and stainless steel

FT filters

Cartridge filters with 1, 3 or 7 cartridges and oil absorb filters. Standalone filter units to be combined with CTV vertical pumps or complete compact units with CTM pumps.

Filter media Cartridge and oil absorb

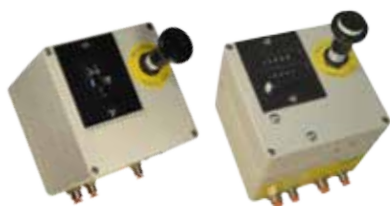
Material PP

- ✓ Flexible installations standalone or compact with magdrive pump



Accessories

Pneumatic batch control



Pneumatic level control



Mobile solutions for pump unit and systems



For detailed product information please contact us or visit www.tapflo.com

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