

Market Segments



Pulp & Paper



Pumps in the production of pulp and paper products are subject to extreme conditions of operation. YSM's extensive knowledge and competitiveness make it the ideal partner of the pulp and paper producers, machinery suppliers and engineering companies.

Food



Food and beverage production relies on our pumping and mixing solutions. Special pumps and agitators have been developed for sugar, starch, and sweeteners. Separation equipment is often used in beverage manufacturing and our process technologies support purification and concentration.

Water and Wastewater



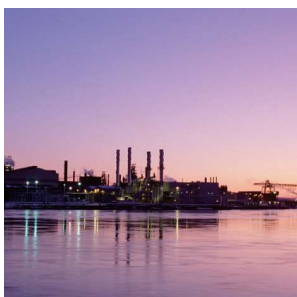
We offers a broad range of pumps and related equipment for water production and transportation as well as wastewater collection and treatment for municipalities and industries. Our expertise also includes separation technologies, and services on rotating equipment.

Oil and gas downstream



YSM understands the many processes used in the oil and gas downstream processing industry. We provide state-of-the-art pumping solutions for synfuels, refining, gas processing, petrochemical industry and nitrogenous fertilizers.

Chemical process industry



Improves quality, capacity, and energy efficiency with its advanced technologies and services for separation processes; including distillation, absorption, evaporation, extraction and crystallization. Our pumps cover the specific requirements in chemical processes.

Metal



Understanding the application, the corrosive and abrasive characteristics of the fluid, and the flow demands combined with our leading material technology ensure an optimal solution for each plant. Long experience and applications knowledge makes YSM a reliable pumps supplier.

Product Portfolio

AC SINGLE STAGE PROCESS PUMPS

FEATURES AND BENEFITS

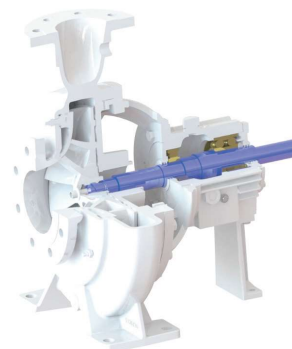
- AC pumps save energy, sealing water and environment
- Designed to meet the EN ISO 5199 standard, these pumps also comply to EN 22858 (ISO 2858) standard
- The modular interchangeability of parts and components enables low spare parts inventory
- The pump range offers the lowest total cost shaft seal concept, with dynamic seal, mechanical seals and packing
- Every AC is designed for fast and easy installation, maintenance and service

KEY CHARACTERISTICS

Capacities	11,000 m ³ /h / 48,400 USgpm
Heads	160 m / 525 ft
Pressures	16 / 25 bar, 230 / 360 psi, depending on material and size
Temperatures	180° C / 355° F

APPLICATIONS

- Clean and lightly contaminated liquids
- Viscous liquids
- Fibrous slurries
- Large solids containing liquids
- Gas containing liquids and self-priming applications
- Desalination



DW WEAR RESISTANT SINGLE STAGE PUMP

FEATURES AND BENEFITS

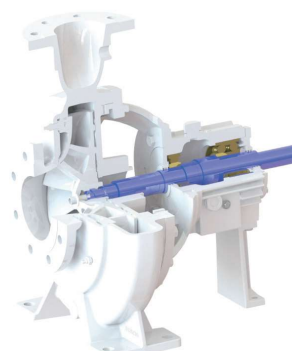
- Designed for corrosive and abrasive applications where durability is essential
- special hydraulic design reduces erosion while careful selection of parts materials to make them compatible with corrosive conditions, gives extended working life and reliability.
- Gas removal construction is also offered

KEY CHARACTERISTICS

Capacities	7,000 m ³ /h / 31,000 USgpm
Heads	110 m / 360 ft
Pressures	16 / 25 bar, 230 / 360 psi, depending on material and size
Temperatures	180° C / 355° F

APPLICATIONS

- Abrasive and viscous liquids
- Abrasive fibrous and non-fibrous slurries
- Abrasive large solids and gas containing liquids and slurries
- Gas containing slurries in self-priming applications



DN NON-CLOGGING SINGLE STAGE PUMP

FEATURES AND BENEFITS

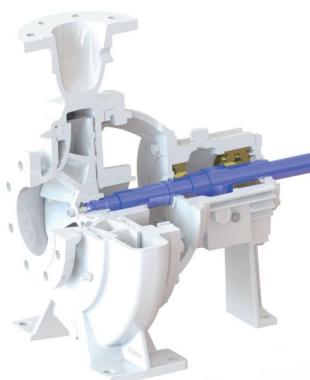
- designed for pumping abrasive or corrosive liquids, sludges and slurries containing large particles or long fibers
- Special hydraulic design prevents plugging and lets big particles pass
- Gas removal systems broaden the scope of applications to include those containing air or gas.

KEY CHARACTERISTICS

Capacities	2,000 m ³ /h / 8,800 USgpm
Heads	90 m / 295 ft
Pressures	16 bar / 230 psi, depending on material and size
Temperatures	180° C / 355° F

APPLICATIONS

- Large solids containing liquids
- Large solids containing fibrous slurries
- Large solids and gas containing liquids and slurries
- Large solids containing liquids and slurries in self-priming applications



KZ END SUCTION PUMPS API 610 TYPE OH2

FEATURES AND BENEFITS

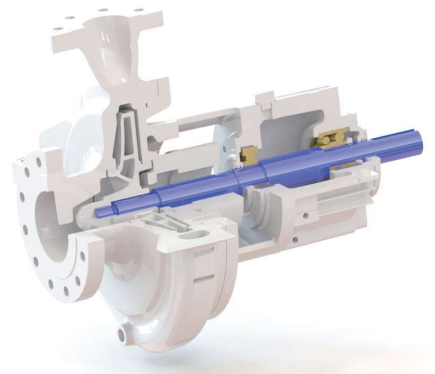
- Broadest range map in the industry for ISO 13709 (API 610) type OH2 pumps
- Designed for hot and cold process applications
- Modular construction to provide maximum interchangeability
- Finned bearing housing and fan cooling for long bearing life

KEY CHARACTERISTICS

Capacities	2,600 m ³ /h / 11,440 USgpm
Heads	300 m / 1,000 ft
Pressure	100 bar / 1,450 psi
Temperatures	425 ° C / 800 ° F

APPLICATIONS

- Boosting
- Refinery, petrochemical and chemical process applications
- Desalination
- Boiler feedwater booster
- Condensate extraction
- HTF oil circulation



KM MULTISTAGE STAGE CASING PUMP

FEATURES AND BENEFITS

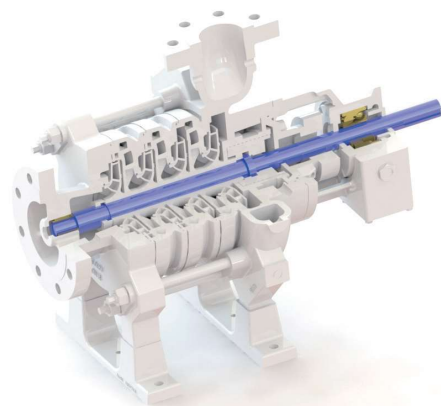
- Designed for world class efficiency and reliability
- Precision cast components
- End or radial suction configurations
- Multiple nozzle orientations for radial suction pump

KEY CHARACTERISTICS

Capacities	600 m ³ /h / 3,000 USgpm
Heads	1,000 m / 3,300 ft
Pressures	114 bar / 1,650 psi, depending on material and size
Temperatures	204 ° C / 400 ° F

APPLICATIONS

- Reverse Osmosis
- Boiler Feed
- General Industrial Services
- Shower / spray service
- Pressure boosting



KVT VERTICAL TURBINE PUMP TYPE VS1 AND VS6

FEATURES AND BENEFITS

- Single or multi-stage with closed impeller(s), stages bolted together, side discharge through pump head
- Absence of radial loads on column bearings because of the concentric discharge
- Excellent efficiency
- API 610 version available upon request, foundation ring optional, shaft sheathing possible fitting of a suction inducer possible

KEY CHARACTERISTICS

Capacity	13,600 m ³ /h / 60,000 US.gpm
Pressure	85 bar / 1,230psig
Heads	850m / 2,780ft
Temperature	70~120 ° C / -94~250 ° F

APPLICATIONS

- Seawater and River Water Intake
- Condenser Circulating Water
- Pumps
- Ammonia Transfer
- Boiler Feed
- Cryogenics



More Efficiency. Less Expense.

Draw upon YSM Pumps' experience using the most sophisticated design tools and testing to save you money, time and energy.

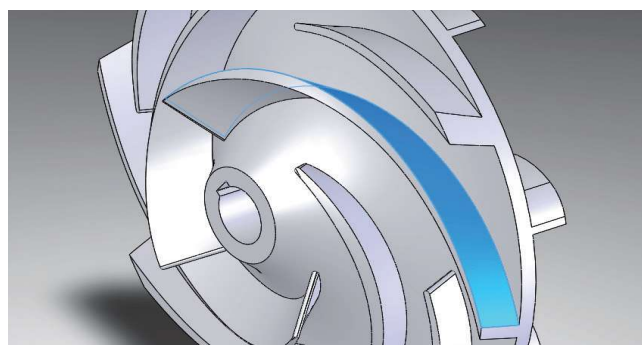
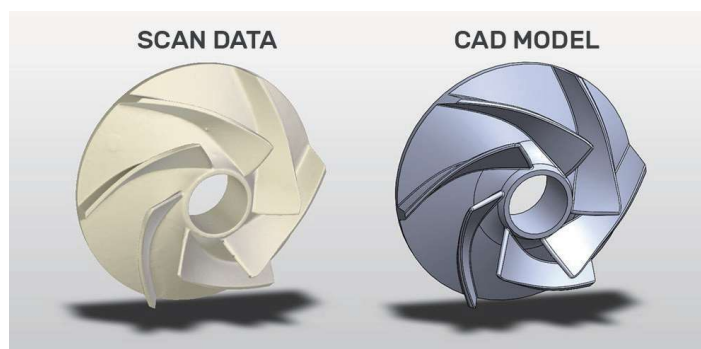
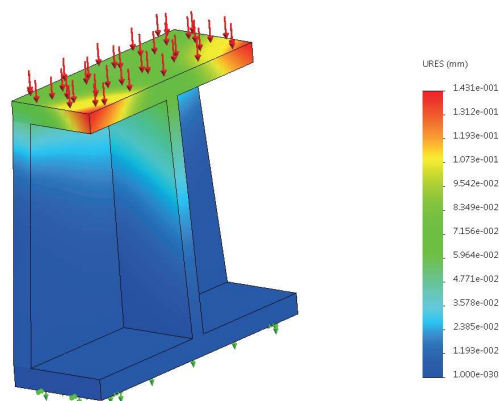
3D Model Tools & Advantages

Industry 3D software is standard on every Pump design. Every drawing utilizes parametric design approach for more effective data mapping and visualization.

3D models can be scaled up with 100% accuracy from model pump to customer pump.

Pattern Validation

3D models have proven the accuracy of the hydraulics and component profile. Test results in the lab are reliable and projectable to field conditions.



Computational Fluid Dynamics (CFD)

YSM Pumps analyzes fluid flow through the internal pump passages to optimize pump performance and reliability.

YSM Pumps' expertise in computational fluid dynamics enables us to provide customers with the high levels of pump testing and engineering analysis.

