

**FLSMIDTH**



**gMAX SYSTEMS**

**FOR TREATMENT OF PRODUCED WATER  
AND SOLIDS MANAGEMENT**



An upstream oil & gas separation company that specializes in solids management and produced water treatment through engineered systems.

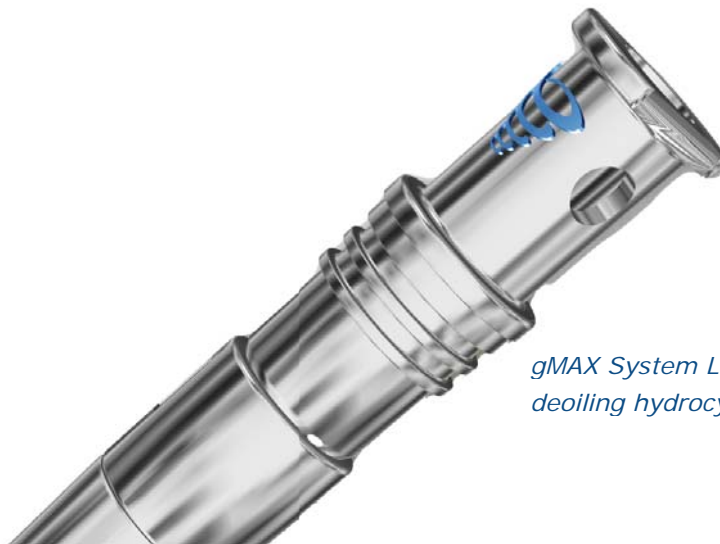


## Company Overview

Recently, FLSmidth Krebs formed gMAX Systems to provide separation technologies to the Upstream Oil & Gas Market. Originally founded in 1952 as Krebs Engineers, the company has been the driving force in separation technology for over 50 years.

Our experience coupled with our dedication to innovation has positioned us as the world leader in separation systems. In total, gMAX Systems has installed more than 120,000 separation systems worldwide.

When purchasing equipment from gMAX Systems, you are dealing with a company with superior engineering, service, project management and support. Our reputation for the delivery of high performance process equipment to the oil field is well known. We are the “gold standard” for both liquid/liquid and liquid/solid separation.



*gMAX System L40-gMAX®  
deoiling hydrocyclone*





## Produced Water Systems

World wide demand for oil and gas has forced increased production from aging fields and has seen more new fields come on-line. This combination of events has dramatically increased the volume of produced water and solids and the need for treatment of these O&G production bi-products. Additionally higher standards from environmental regulating bodies have made meeting overboard or reinjection specifications ever more difficult.



Some of the benefits of a gMAX Systems Produced Water Treatment Package are:

- Proven technologies for reliable operation and performance: gMAX® hydrocyclones, Wemco Flotation and Nutshell Filtration Technologies
- Flexible operation (TurnDOWN™) for varied flow rates
- Compact design for reduced weight and footprint
- Stand alone equipment or complete packaged unit to meet any customer need

## Solids Management

Solids production can be a problem in any oil & gas production facility. The solids produced range from small diameter particles (chalk, clay, silt, etc.) to larger particles (sand, proppant, etc.). All of these are unwanted products and need to be carefully managed so as to ensure the proper operation of the production system. Without a proper solids management program, production throughput as well as reliability and performance of downstream equipment can be affected.



gMAX Systems works with its many clients to find the most economic solution to solids management. Benefits of a gMAX Systems Solids Management Program include:

- gMAX® hydrocyclone technology (alumina ceramic or silicon carbide material for good wear resistance)
- design pressures up to 15K psig
- Multiphase separation with gas flows up to 100%
- flexible operation (TurnDOWN™)
- methods for solids accumulation and solids transport
- sand cleaning and discharge (.5% oil on solids for overboard discharge)



## Options

In addition to custom engineered systems for purchase, gMAX Systems offers lease units for short term or long term agreements. Leased options for produced water treatment or solids separation come in a range of sizes and configurations to fit almost any application. Trained service technicians are available to assist in commissioning and operation of these units. Please feel free to contact any of our offices or representatives in your area with any questions.

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**CONTACT YOUR gMAX SYSTEMS REPRESENTATIVE**