

# **MAXIMATOR®**

## **Maximum Pressure.**

High Pressure Technology • Testing Equipment  
Hydraulics • Pneumatics



**Revolutionary H2 Gas Booster Series – X-TOWER**

up to 900 bar - the most flexible gas filling system

# More flexibility than ever before

The **Maximator X-TOWER** is a modular Gas Compression System, specifically designed for Hydrogen compression up to 900 bar with scalable volume flow. The X-TOWER is designed for integration in existing systems and is covering nearly all requirements for efficient gas compression.

A standard configuration up to 900 bar consists of one MASTER-Module (control module) and up to three X-Modules (gas booster modules) - first stage module up to 300 bar, second stage module up to 600 bar and the final stage module up to 900 bar. This configuration will provide a gas outlet flow of 10 kg Hydrogen per hour. For higher outlet capacities more modules can be connected easily.

The gas compression is realized with our new EHB-Series booster technology (Electro-Hydraulic-Booster) and provides unrevealed efficiency due to their completely redesigned electrohydraulic drive concept.

For all applications the MASTER module is mandatory and is handling safety and functional features for maximum three X-modules. The X-Modules can be combined and connected depending on the application.



## FLEXIBILITY

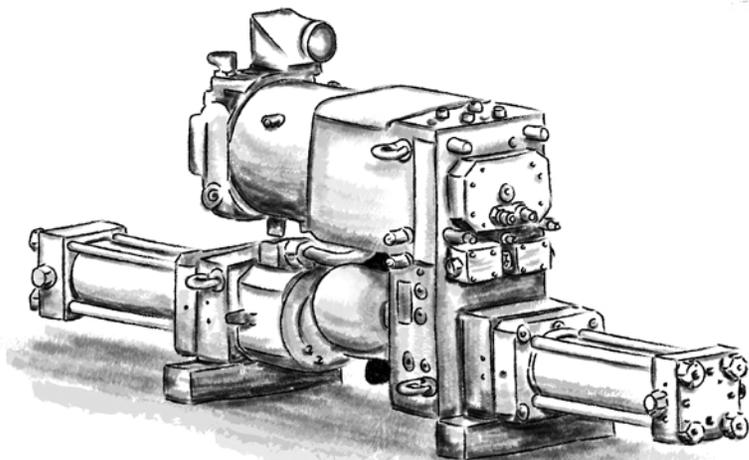
With the X-TOWER you are planning the future. Our solution can be adapted to new challenges by changing, adding or removing X-Modules. The modular design allows countless combinations of X-Modules to cover many different applications and requirements.



## EFFICIENCY

With the new frequency converter controlled complete closed hydraulic drive concept of our EHB-Series we are providing the most efficient way to compress gases.

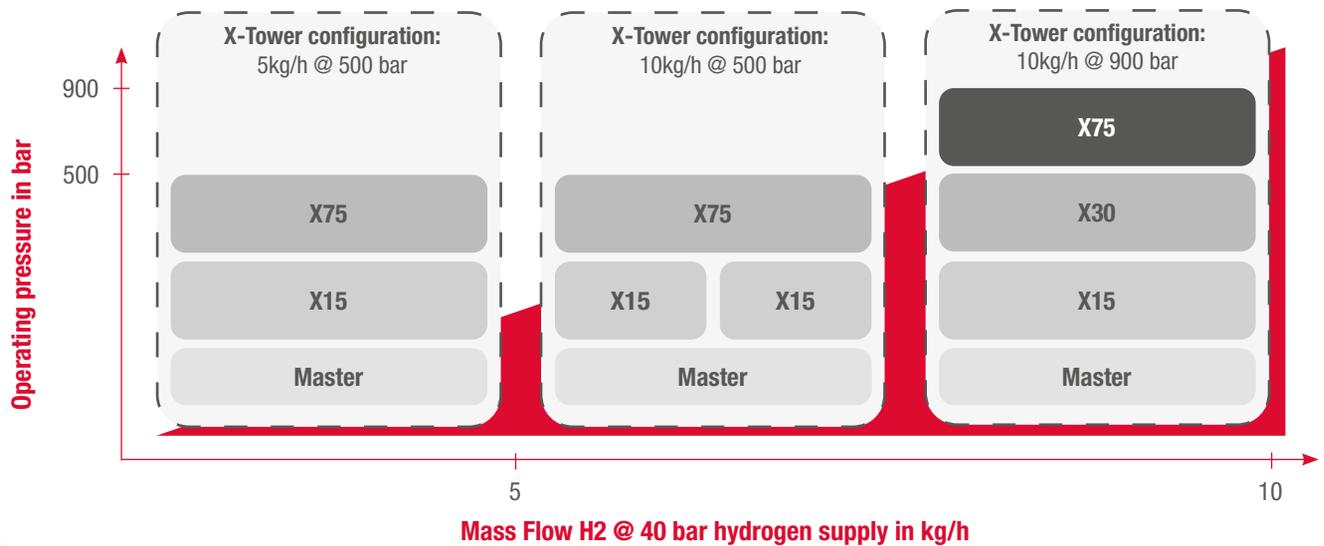
- » Efficient hydraulic drive with less oil volume
- » Direct separation between process gas and hydraulic
- » Flushing concept integrated
- » Quiet drive technology



## COOLING

Intelligent and efficient new cooling concept keep the gas temperature under control with minimum energy consumption.

# The Power of X-Tower



Hydrogen →



## SAFETY

Purging, temperature & pressure control, gas detection, active ventilation are only some of our safety features of the new X-Tower series.

← Hydrogen



## INTEGRABILITY

With reduced interface connection we are proud to say: „plug & boost“. A web-based access to the control system offers independent control with your mobile PC or smartphone. Our X-Tower Series is prepared for IoT integration to improve processes and provide more information about the compression process than ever before.

← Nitrogen

← Electrical power

X-Tower	Module Master	E-Module	X-Module		
			X15	X30	X75
Outlet Pressure	-	-	300 bar	600 bar	900 bar
Mass flow H2	-	-	up to 10 kg/h		
Dimension in mm (LxWxH)*	1200 x 1600 x 400	500 x 1200 x 2000	1200 x 1600 x 500		
Weight in kg	400	400	500		

\* ... Please add 220 mm height for exhaust cover

## On your side everywhere

Maximator is one of the leading companies providing high pressure equipment up to 25,000 bar. The standard air driven Maximator boosters have been used in hydrogen applications for over 20 years.

Maximator GmbH, with its company headquarter in Nordhausen, has been extremely successful worldwide for more than five decades.

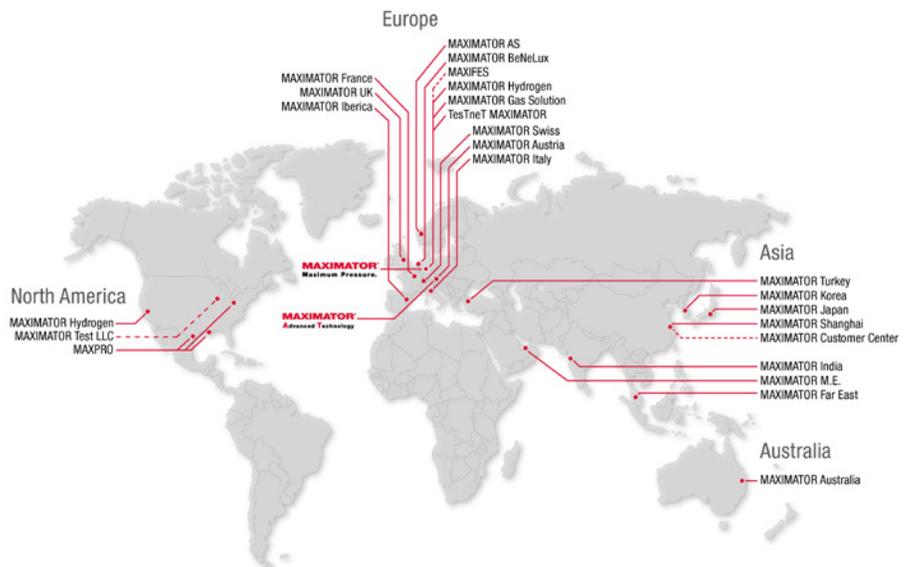
With our products and innovative system solutions, we are the long-standing partner of companies of repute in the automotive and supplier industry, as well as the life science, chemical and mechanical engineering, energy, oil and gas industry sectors.

With our international partner companies, experienced experts in high-pressure technology are always ready to assist you. We have compiled detailed contact information for our international partners which you can find on our website at:

[www.maximator.de/worldwide+distribution](http://www.maximator.de/worldwide+distribution)

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» Your direct contact:



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