

## WE UPGRADE GAS ENGINES



# WELCOME TO MOTORTECH

For more than twenty years MOTORTECH has been delivering everything that makes industrial gas engines perform. Since it was founded in 1988 in Celle, Germany (near Hanover), as a service and distribution company for engine replacement parts and accessories, MOTORTECH has demonstrated continuous growth. Today we globally employ more than 200 qualified members of staff who work every day on optimizing the performance you can reliably obtain from your gas engine.

Our compliance with international quality standards with strict quality controls and our inhouse R&D department assure you the highest possible level of reliability in each MOTORTECH system component. Our customer support personel and global network of sales distributors would be glad to show you how you can get the best performance out of your equipment with MOTORTECH system solutions.

**Whatever expectations you have, we aim to exceed them.**



For more information:  
[www.motortech.de](http://www.motortech.de)



# FROM THE PICKUP TO THE PLUG



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MOTORTECH and its global Distributors make available the important products that ensure your gas engine runs when you need it.

- **MIC850** - High Energy Ignition Controller
- **DetCon20** - Knock Detection and Control
- **Alpha Rail** - Wiring Rails for long life and designed to last
- **Ignition Coils** - „High Performance“ developed and manufactured by MOTORTECH
- **PolyMot** - Patented Spark Plug Leads
- **DENSO** - High Quality Spark Plugs

Let us take care of your Engine Upgrade.



Distribution Partner for DENSO Spark Plugs



**NEW**  
- coming soon -



**MIC3**  
MOTORTECH IGNITION CONTROLLER

The recently developed MIC3 from MOTORTECH establishes a new benchmark in its class:

- Multiple ignition
- 200mj primary energy
- Ignition diagnosis (primary and secondary)
- Fault memory with trend data
- Integrated CAN Bus (open protocol) and Modbus RTU interface
- Easy access per USB port
- 18-32 VDC
- 6/ 12 ignition outputs
- -40° C bis + 70° C ambient temperature
- 1 or 2 pickups (magnetic, hall effect or inductive)
- 0-20 mA/ 0-10 V analog input
- Start/ Stop input
- Go/ NoGo output
- Auxiliary Synchronization Outputs „ASO“ (e.g. for MOTORTECH DetCon20)

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**MIC4**  
MOTORTECH IGNITION CONTROLLER

The new economically attractive MOTORTECH development convinces with a future oriented electronical concept for more capacity and a significantly higher degree of efficiency:

- Adjustable spark duration and intensity
- 300mj primary energy
- Ignition diagnosis (primary and secondary)
- Fault memory with trend data
- Integrated CAN Bus (open protocol) and Modbus RTU interface
- Easy access per USB port
- 18-32 VDC
- 8/ 16 ignition outputs
- -40° C bis + 70° C ambient temperature
- 1 to 3 pickups (magnetic, hall effect or inductive)
- 0-20 mA/ 0-10 V analog input
- Start/ Stop input
- Go/ NoGo output
- Auxiliary Synchronization Outputs „ASO“ (e.g. for MOTORTECH DetCon20)



**NEW**  
- coming soon -



## VariFuel2

MOTORTECH AIR/FUEL RATIO MIXER

The VariFuel2 is a high tech variable VENTURI type mixer that can constantly adjust to any fuel changes and allows the engine to operate at its most efficient point. Series 100, 140 and 200 available for engines up to 800 KW/1,000BHP.

Coupled to a lambda controller (lean burn or stoichiometric) it will be regulating the mixture precisely. Very popular in biogas applications where the fuel quality can constantly change.

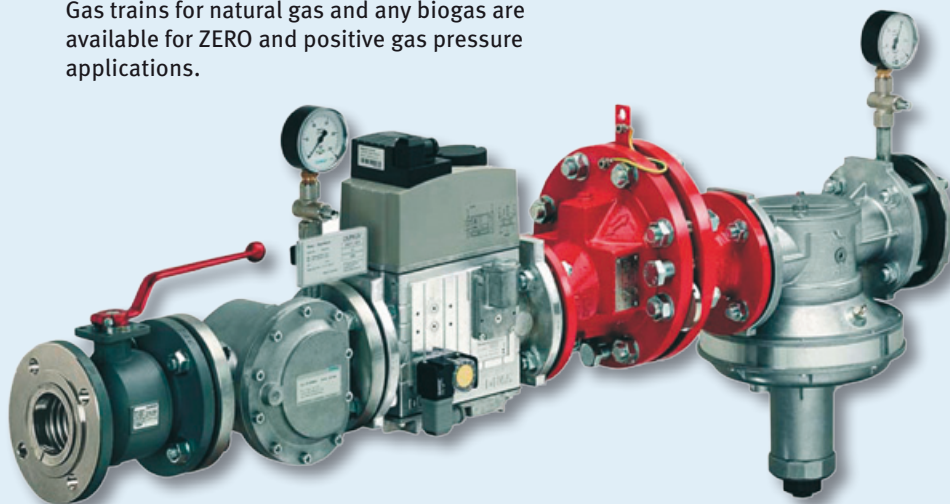
### Oxygen Sensors

A variety of oxygen sensors are available, including versions to replace CATERPILLAR® OEM sensors.



### Gas Trains from DUNGS

Gas trains for natural gas and any biogas are available for ZERO and positive gas pressure applications.



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**DENSO**