

MOBILE FUEL LAB



**GRABNER
INSTRUMENTS**
an **AMETEK**® company



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- The **GRABNER INSTRUMENTS Mobile Fuel Lab** can be built and equipped in a very flexible way according to your requirements: the type of vehicle can be chosen, air-condition, ventilation, auxiliary heating, sink with fresh and/or distilled water, vessel dryer, anti-skid flooring, fire extinguishers as well as a large selection of the on-board instruments (various brands are available) can be installed to comply with your individual needs.

APC-network and a specially designed software program link all the instruments via the serial communication ports for data storage and print out. Additionally available options are a flat screen, a laser printer and a GPS navigation system.



- A sink with fresh and/or distilled water with a drain connected to separate containers. The isolated-control panel operates the air-conditioning, auxiliary heating and ventilation system, allowing for 20 fresh air changes per hour.



- The on board electric transformer supplies power to the instruments and devices from 2 sources: 1) 110/240 V transformed power from the rechargeable batteries; 2) external connection for 110/240 V power supply. Containers for waste and fresh/distillate water supply, as well as a spare tyre also are easily accessible through the back doors.

- All instruments are securely mounted on specially designed shock absorbers to avoid damage during transport. Specially designed lab desks and lockers provide optimal work space and storage of samples and chemicals.



TOTAL QUALITY CONTROL ON THE MOVE



- A typical example of the instrumentation of a **Mobile Fuel Lab** with a selection of the fully automatic, rugged and portable **GRABNER INSTRUMENTS** testers.
- Also available are instruments from other manufacturers, such as Spectro, Phase Technology, etc. **We configure the lab according to your needs.**

A DETAILED FUEL ANALYSIS IN LESS THAN 30 MINUTES DIRECTLY ON-SITE

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|---|---|---|---|
| <p><i>FTIR - Gasoline Analyzer</i></p> | <p><i>FTIR - Diesel Fuel Analyzer</i></p> | <p><i>VIS - Color Spectrometer</i></p> | <p><i>Atmospheric Mini-Distillation</i></p> |
| <p>1</p>  | <p>2</p>  | <p>3</p>  | <p>4</p>  |
| <p>IROX 2000</p> | <p>IROX DIESEL</p> | <p>AUTO COLOR</p> | <p>MINIDIS</p> |
| <ul style="list-style-type: none"> ■ AUTOMATIC MID-FTIR SPECTROPHOTOMETERS ■ DETAILED FUEL ANALYSIS IN ONLY 3 MINUTES ■ DETERMINATION OF OCTANE & CETANE NUMBERS ■ MEASUREMENT OF 30 PARAMETERS LIKE OLEFINS, OXYGENATES (ASTM D 5845), AROMATICS (D 6277), ETC. ■ BUILT-IN DENSITY METER (A. PAAR) ■ FAST & EASY CALIBRATION WITHOUT A PC ■ TRULY PORTABLE, COMPACT & RUGGED DESIGN | | <ul style="list-style-type: none"> ■ ASTM & SAYBOLT COLOR ASTM D 6045, D1500, D156 ■ DYE CONCENTRATION ASTM D 6258 (RED DYE) ■ FULL AUTOMATION INCL. SAMPLE INTRODUCTION AND CLEANING ■ HIGHEST PRECISION | <ul style="list-style-type: none"> ■ TRUE ATMOSPHERIC DISTILLATION ■ EXCELLENT CORRELATION TO ASTM D86 ■ FULL AUTOMATION ■ RESULTS IN 15 MIN ■ ONLY 20 ML SAMPLE ■ NO GLASSWARE |
| <p><i>Vapor Pressure of Gasoline & Crude Oil</i></p> | <p><i>ASTM D 6450 Flash Point Tester</i></p> | <p><i>Kinematic & Dynamic Viscosity Analyzer</i></p> | <p><i>Sulfur & Lead Analyzer ED-XRF - Analyzer</i></p> |
| <p>5</p>  | <p>6</p>  | <p>7</p>  |  |
| <p>MINIVAP VPS</p> | <p>MINIFLASH FLP</p> | <p>MINIVIS 445</p> | <p>SPECTRO PHOENIX II</p> |
| <ul style="list-style-type: none"> ■ ASTM D 5191, D 6377 & D 6378 ■ US-EPA APPROVED ■ FULL AUTOMATION ■ HIGHEST PRECISION ■ NO VACUUM PUMP ■ NO SAMPLE PREPARATION | <ul style="list-style-type: none"> ■ ADVANCED STANDARDS ASTM D 6450 AND D 7094 ■ NO BIAS TO PENSKY-MARTENS ASTM D 93 ■ ONLY 2 ML SAMPLE ■ FAST & EASY TO USE ■ MAXIMUM SAFETY ■ US DOT APPROVED | <ul style="list-style-type: none"> ■ EXCELLENT CORREL. TO ASTM D 445 ■ -20 to +100°C ■ VISCOSITY INDEX IN ONLY 10 MINUTES ■ FULL AUTOMATION ■ ONLY 25 ML SAMPLE ■ FAST CLEANING | <ul style="list-style-type: none"> ■ ASTM D 4294 ■ POLARIZED X-RAY ANALYZER ■ ON-BOARD COMPUTER ■ TOUCH SCREEN INTERFACE ■ WINDOWS OPERATING SYSTEM ■ ONE-BUTTON ANALYSIS |

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■ INNOVATION

The driving force behind any instrument from Grabner Instruments is the customer. We achieve solutions for our customers needs. We are unrestrained by limits of current standards when trying to make things faster, easier and more accurate. Our ability to define state of the art technology is pushing our progress and gives us an edge over market competitors. And several new ASTM, ISO, GOST, and EN standards, worldwide patents and awards reflect that commitment.

■ QUALITY

We are providing customers with products of highest possible standard and quality. In 1993 GRABNER INSTRUMENTS was the first manufacturer of petroleum testing equipment to be certified according to ISO 9001. The excellence of our instruments results from many years of experience, the outstanding know-how of our engineers and the desire to create better solutions for you.

■ CUSTOMER SATISFACTION

You can count on our competence and flexibility. The lean structure of GRABNER INSTRUMENTS allows us to react fast and find flexible solutions for each of our customers. With well trained sales and service engineers in more than 50 countries we provide fast and effective service and short delivery times.



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