

Advantage of self-contained Friction Tester

The **Saab 9-5 Wagon Continuous Friction Measuring Equipment (CFME)** is a sophisticated measuring system for both operational and calibration measurement. In the operational service, as an aid to ongoing air traffic, the immediate availability of the measuring system makes it possible to carry out measuring results as defined by ICAO and report the results to the traffic control, all within a couple of minutes.

For calibration measurement of airport runways, taxiways and aprons, as part of regular maintenance service, the **Saab 9-5 Wagon CFME** is always available with suitable software and hardware as stipulated by FAA and ICAO.

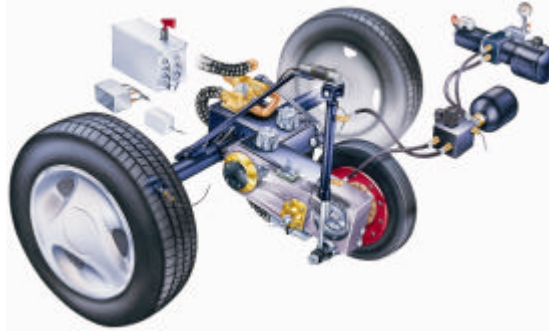
A great concern have been the measuring speed of different CFME, and especially when the runway is contaminated with snow, slush, standing- water, ice, etc. At a busy airport the runway friction characteristics may need to be measured several times a day. It is then important that minimum amount of time is spent on the runway for safety and operational reasons. The **Saab 9-5 Wagon CFME** can measure with highest accuracy in speeds in excess of 60 mph. This will dramatically minimize the amount of time spent on the runway, and freeing up invaluable operational time for airplane movements.



Self-wetting system:

The **Saab 9-5 Wagon Continuous Friction Measuring Equipment (CFME)** can be equipped with a self wetting system. The system puts a strip of water on the runway surface immediately in front of the measuring wheel. The tank volume is sufficient for measuring 6000 meter with 1mm depth.

The Mark IV Rear-Axle System



The **ASFT MK IV** rear-axle is a new generation of surface friction testers based on the highly successful MK II System.

The rear-axle has a third smaller wheel on an arm (transmission arm) attached to it via three chains. This is the measuring wheel. The tyre has a material, shape and a tread which closely resembles those of a normal aircraft tyre. This gives friction readings that closely correlates with true friction values that is received from aircraft operations.

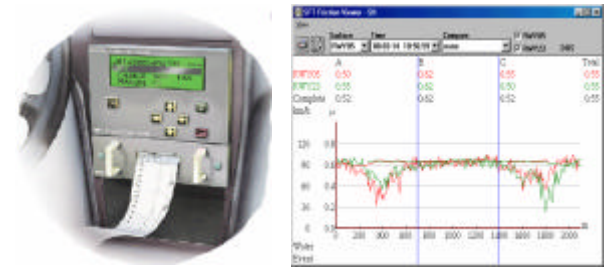
The measuring wheel is not attached to the body or chassis of the host vehicle. It is only connect to the rear-axle via a spring. This unique design allows the friction wheel to work without any disturbance from movements in the host vehicle. It also guarantees that the vertical ground pressure is absolutely constant at 1400 N. Independent research have over and over concluded that **ASFT MK IV rear-axle** have among the **best correlation** and **repeatability** in its industry.

Saab 9-5 Wagon CFME

The **Saab 9-5 Wagon CFME** was designed to have outstanding, **accuracy, reliability, serviceability, availability**, and foremost to be a **one-person operation**. The front wheel drive with its compact and powerful engine leaves the rear end free for the advanced measuring equipment, and giving easy access for service inspection.

Mk IV Computer System and CAP 683

Our **Mk IV Computer System** was developed with many criteria's in mind, but to be as **USER FRIENDLY** as possible was the primary objective. This have resulted in an operating system that is unmatched in its industry. The computer can be "tapped" on all, or parts of the measurements to our **ASFT CAP 683 View** compatible software. This is easily done by connecting a laptop or desktop computer to the Mk IV. This will allow for an automated presentation of the measurement in a MS Windows CAP 683 format. The data can also be transferred wireless to a remote location like the operational department for immediate access and action-taking.



Achieved design objectives for the Mk IV Computer:

- Completely Menu Driven
- Only 2 Keys to operate.
- Screen and Keys have back lights for operations at night.
- Extra large screen, and fonts.
- Calibrating is quickly done by one person.
- Extremely short learning curve
- CAP 683 Presentation.

We can be reached at the following contacts for more information:

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ASFT Total Quality Management

The strategy at ASFT have always been to put our clients in the center of attention. One way to ensure this is by using **Total Quality Management (TQM)**.



We have our own production plant, and Research & Development (R&D). This have resulted in products of unmatched quality and life-expectancy (Average ASFT friction tester is being used for **20 years**). Our Friction Testers have also not surprisingly been found to have among the best repeatability and correlation in the industry.



We continuously strive to do better, and to advance our CFME's with a customer focused approached. That is what we call the:

“the ASFT way”



*ASFT the World's Leading
Manufacturer of Continuous
Friction Measuring
Equipment (CFME)*



**Saab 9-5 Wagon
CFME**