

TYRE TESTING EQUIPMENT

FROM RUBBER CONSULTANTS

For immediate release

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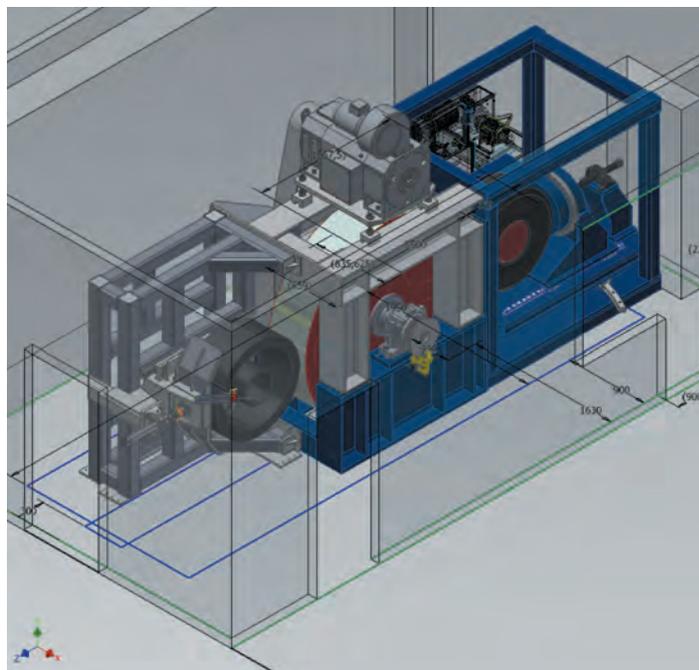
Rubber Consultants expands its tyre testing facilities with a new 2-station passenger rig with force and measurement moment hub

Rubber Consultants is adding to its comprehensive tyre testing facilities with the purchase of a new 2-station passenger test rig as part of its significant investment programme in equipment for 2015. The rig will be commissioned in late spring: one hub will have 320kph speed and 2 tonne capacity, the hub will be able to carry out force and moment measurements that are used to identify tyre performance characteristics and provide insight into how a tyre's design affects overall vehicle dynamics. Rubber Consultants will be one of the few laboratories in Europe that can offer this service.

The new rig will complement Rubber Consultants' existing tyre testing equipment that includes:

- 2-Station commercial vehicle tyre test rig with 60mph and 6.5 tonne load capacity. The rig covers all endurance testing in Regulations 54 and 109 and those listed in BS AU 144f, except for the one hour test for tyres of load index <122 (1500kg) with speed rating of R (170kph) or faster.
- Both test drums are accredited to ISO 17025 by UKAS for testing to ECE Regulations 54 and 109.
- Instrumented single station rig for rolling resistance measurements to ISO Standards: ISO 18164 with a 5 tonnes load and 60 mph speed capacity. This last rig can be fitted with a high-torque drive suitable for testing solid tyres up to 25mph.
- Pendulum skid resistance tester to test with a range of test surfaces from well defined abrasive paper to ice-track, testing to BS EN13036-4:2011.
- Shallamach 2-wheel trailer for:
 - accelerated tread wear measurements.
 - traction measurements under dry or wet conditions, or on ice.
- Fleet testing of truck tyres for road performance can be arranged and supervised.
- Retreading equipment for conventional precured, truck or passenger, unsection or multisection.

Paul Brown, Head of Rubber Consultants tyre testing services, explains *'the arrival and commissioning of the new rig is an exciting moment for our tyre testing laboratory. Expansion of our facilities into the force and moment area ties together the tyre and vehicle dynamic areas of our activities'*.



Rubber
Consultants

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Background on Rubber Consultants

Rubber Consultants is the consultancy unit of one of the world's leading rubber R&D laboratories, the Tun Abdul Razak Research Centre (TARRC), the UK laboratory of the Malaysian Rubber Board. Rubber Consultants is an expert in elastomer and polymer testing with access to TARRC's expertise and extensive facilities, and for over 30 years has built up a large and varied client base that includes a wide spectrum of industries.

Rubber Consultants offers a broad selection of analytical testing – rubber testing, including synthetic polymer testing - all carried out in-house. Elastomer testing is its main area of expertise, but chemical analysis has been expanded to encompass many materials and products used with natural rubber and synthetic polymers.

Rubber Consultants has some of the most comprehensive tyre testing facilities in the world including testing rigs for truck and passenger tyres and staff experienced in tyre retreading and tyre analysis. Accredited laboratories offer everything needed to thoroughly analyse tyres to comply with legislation.



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