

# Universal News

## **Our New Testbench!**

It's here! The very latest test equipment available for starters and alternators. Whether it's the newest BSS or LIN2 alternator or the new stop/start range of starter motors we have the ability to test them to O.E. specification, and also able to produce a full test print showing all the key figures and test characteristics including

leakage test, ripple current, including

full graphing and analysis of rectifier/diode & stator windings. The tester also has an updateable database for all the latest vehicles, meaning new to market units can be released as soon as O.E. specification is available.

This has also meant any potential warranty units that have been returned to us can also be tested against the O.E. specification of the original unit. Particularly useful where multiple units have been fitted to the same vehicle, all with the same "fault". We can now prove that our unit compared to the O.E. unit is identical and that a vehicle induced fault is the cause of the problem and not the alternator(s).

### **Batch numbers**

As you are aware all our units are batch numbered for traceability. To help us process returns more efficiently we now require all labels to be intact on returned units, whether they are new or suspected warranty.

We also now require all warranty paperwork to include the batch number of the returned unit. This will enable us to track it through the whole warranty testing process and compare it to the original data when it was first remanufactured.





Screen showing set up and wiring for the alternator test.



Screen showing the test in process, showing a multitude of information.



The final screen telling us whether the unit meets the O.E. Specification.



Luke doesn't need "The Force" to test our units. He uses our brand new test bench!



And finally......
The printed test certificate showing either a pass or fail and a vast array of useful information.



Universal

PA			
	ternator V	ilith Phys	381
Description:	12V. 0	A, CW	=
Internal Voltage Regu	dator, Plu	g Code :	381
Harness C	lode: 3001		_
Term	ina's		-
TRIO			_
Parameter:	Units	Value	55
Output Voltage (VSP)	Volts	14.3	P
Alternator Charging Test			П
Secondary Regulation	Volte		П
RVC Voltage Set Point	- Volts		
Stator Voltage	Volts		П
Field Current	Arepu		
Ripple Current	Arreps	2.0	Pi
Leakage Current	тАтро	0.2	Pi
Lamp Status at Stop		ON	P)
Lamp Status at Run		OFF	Pi
Feedback Frequency	Hz		
Feedback (Full Load)	% PWM		П
Feedback (Win, Load)	% PWW	-	П
COM Electrical Test			П
COM Mechanical Test			
COM Temperature Test			Н
Monufacturer Data		_	-
Alternator Data			_
			_
MWW	M	W	ſ
Store ID:			_
Store Location:	INTERSAL		_
Source Coccasion.			-
Telephone Number			_
	0		_

#### Van Deliveries and Courier times

Just a quick reminder on our van delivery and courier cut off times:



Please also note that cut off for courier orders is 4:30pm.



Universal Rotating Electrics Ltd

No 378 04/14 Prizes subject to change to similar product. Pictures are for reference only
Unit 18-20, Pembroke Business Centre, Gardiners Lane South, Basildon, Essex, SS14 3HY



# Universal News

### **Three Generations, two new recruits, one Universal!**



There aren't many firms around today that can say they still have a proud family tradition. Universal Rotating Electrics Ltd is one of the few that can. Colin Smith started the business nearly 40 years ago, introducing his two sons, Chris and Graham, to the business in the late 80's and now, 25 years later it's Chris's son Jamie and Graham's son Joe's turn to join the business. Both Jamie and Joe are starting as Chris and Graham did, dealing with core and stock in the warehouse and on the benches, stripping, cleaning, testing and learning how units are put together. Things have changed a lot since Colin's day, when half a dozen units covered a good percentage of cars on the road. As a company we now have approximately 4500 part numbers to our name and words like "Stop/Start" and "ECU controlled" are commonplace. Who knows what the next 25 years may bring, but one thing we do know is the future is bright at Universal Rotating.

#### Taxi warranty.

In line with other manufacturers we will now be limiting taxi, minicab and private hire vehicles to 6 months warranty due to the excessive mileage and extended operation of these vehicles.

### We're proud of our website!

Our website is like having an extra member of staff (some would say two!). Technical information, cross referencing, offers, pictures to aid identification, known vehicle faults, FAQ's, alternator plug and starter solenoid wiring codes to name but a few! We do find however that it is an often under used tool that is available to all our customers.



### <u>Chris's Comments.</u>

I would like to start by welcoming our new members of staff to Universal. In the warehouse we have Mark Brockbank, Dan Doney and Tony Cadogan, driver Paul Mudd, Jamie and Joe Smith in the workshop. I am pleased to say we have a hard working, conscientious, highly motivated team at Universal.

The recent investment in our new test bench is proving a great asset to the company. We are now able to map our remanufactured units to OE specification, it is very important for us to be able to do this as technology and test routines are forever changing.

We are working closely with MAM at the moment, converting our current catalogue data to MAM's Autocat+ MMi (latest data format). This has proved to be a very time consuming process, as we have to verify each and every listing individually one at a time. Once completed we will have one of the most informative catalogues available on MAM today, showing product images, plug images with wiring diagrams, part specification and most importantly our technical bulletins linked to products that have underlined vehicle problems. The starter data will hopefully be going live within the next week, so keep your eyes peeled!