

THE Connector

FGP IN THE COMMUNITY

Jason Davidge, Technical Sales Manager,
FGP Systems LTD

FGP Systems are the proud sponsors of Weymouth youth football under 12's who have just completed a successful season coming third in division 1 of their league structure, reaching the semi-final of the league cup and also the final of the Dorset county cup.

Everyone at FGP feels that it's very important to support our local community and what better way than to sponsor a local youth football team. The benefits of exercise have been well documented – not only does it improve a child's physical health but also their wellbeing and academic performance. Youth health and wellbeing is extremely important and we should all take responsibility to encourage our children to participate in sport and exercise from an early age.

On to the last game of the season, the cup final! This was always going to be a tough game with two evenly matched teams and this certainly proved to be the case.

Weymouth were on top initially but with a very well organised Longfleet defence the chances couldn't be converted into a goal and they went behind after 19 minutes to a

breakaway goal (0-1). The heads didn't drop and the boys carried on playing some great football but the half finished 0-1.

The half time team talk from the coaches Ray & Darren was obviously inspiring as the boys were really going for it in the second half and were rewarded after 36 minutes when a free kick was rifled into the top corner by Harry Summers (1-1).

The game really opened up after this and chances were being created by both sides and after 42 minutes Weymouth took the lead, Harry

time finished with the game at 2-2.

Extra time produced some great play from both sides and a few heart stopping goal mouth scrambles but neither side could put the ball in the back of the net so the dreaded penalty shoot-out would decide who would win the cup.

The boys held their nerve under extreme pressure and a big crowd watching to win the penalty shoot-out 3-2, a great performance and a deserved successful end to the season by a great group of lads.

FGP are privileged to be sponsoring the Weymouth youth football team again this year and wish them all the best for the season. We'll be eagerly following their progress this season and pop down to show our support from the side-line too.



Summers finishing off a great team move (2-1).

Weymouth were on top now and had a few chances to win the game during normal time but were again pegged back by a powerful finish from Longfleet after 50 minutes. Normal



SAVING ENERGY & REDUCING CARBON FOOTPRINT

Wayne Churchill,
Group Procurement
Manager, FGP Systems,
RSC & FGP Lufton

Unless you live on the moon, you will certainly be familiar with the statement, "Reducing your carbon footprint". So, what are we doing within group to reduce ours?

Saving energy

At systems, and most recently at FGPL, electricity audits have been carried out and the results have been somewhat concerning.

It appears that in the region of 30% of our electricity consumption is being consumed during "Non-production" hours, or, when the plant is closed and unmanned, e.g. weekends.

In terms of £'s, this is significant and measures are being put in place to avoid the unnecessary expense.

By process of elimination, the source(s) for the demand of electricity during these times will be identified and curbed.

It is fully recognised that some consumption is required when the plant is closed, e.g. compressors and standby units, automation (At FGPS), however, much of the demand can be drastically reduced, and WE ALL have a responsibility towards this.

We have all received communication recently surrounding the switching off of our PC's, printers, air-con units, screens to name a few, and it is imperative that where possible, these are actually switched off at the sockets, not just placed on standby or switched off on the units themselves.

The maintenance team are currently active in identifying what can be switched off during the above times, so please continue the support recently witnessed and assist in reducing our wastage so we can all benefit long term.

Remember, ask yourself, is it required? then if no, switch it off!

Recycling

Throughout the group, there are containers/bins in place to dispose of waste so we can continue the progress towards obtaining our ISO 14001 accreditation (The international standard that specifies requirements for designing and implementing an "Environmental management system", also referred to as an EMS). This demonstrates our commitment to the environment.

Upon visiting all 3 sites, it is clear that we all generate far too much rubbish/waste and this needs our immediate



attention. There is a recognised hierarchy of waste issued by the Department for Environment Food & Rural Affairs (DEFRA) that we should follow to avoid

our waste ending up at landfill sites. This is shown below;



You will notice that recycling appears halfway down the list & our initial priority should be to carefully consider what we can do to prevent generating waste in the first place. For example, only take or use the amount of materials you need to complete a job so that waste is not created unnecessarily.

Secondly, wherever possible we should re use items or materials until they become unserviceable. The 5p supermarket levy on plastic carrier bags is an example of this as it encourages us to reuse them rather than use them once then throw them away. Then to recycling.

The bins we have at our sites are clearly labelled and should be used to segregate waste into individual streams such as glass, paper, plastic etc.

Please use the bins as they should be by placing waste that can't be reused into the correct recycling bin. This is simple to carry out and will be almost identical to what you have in place at home, or anywhere else you are likely to visit. If you are unsure, please ask.

Finally, ISO 14001 is an accreditation that customers look for when selecting suppliers. It is to our advantage that we obtain and maintain our commitment to "Reducing our carbon footprint".

RECENT NEWS

Congratulations



Congratulations to Nigel Pitman on the birth of his first Grandchild Oscar Pitman!

Congratulations to Lee and Megan Samways on the safe arrival of your Baby Boy

Congratulations to John Limm and Stephanie Main for the successful completion of your probation

Well Done

Well done to all Cell Leads for taking part in session one of the Cell Leader Programme

Well done to Hayley Bell for passing her NEBOSH NGC

Want to say something special?



Email **Verity Pitman** to include your message in the next issue.

verity.pitman@fgpltd.co.uk

RSC HEALTH & SAFETY

Derek Smith, Operations Director, RSC

Following the Shop floor reorganisation at RSC we have also revamped our visual displays that communicate to Employees, Visitors and Contractors, shown are images of our HSE board detailing which first aider is available on site if an accident should occur, and a station to allow access for treatment to minor incidents,

Our quality Awareness board, allows operators to see basic issues which have occurred, these will have been addressed by quality alerts etc, but we feel that having these images portrayed for a short while instills the importance of addressing and absorbing issues, to eliminate the risk of repetitive problems, every little helps to obtain the RIGHT FIRST TIME mind set.



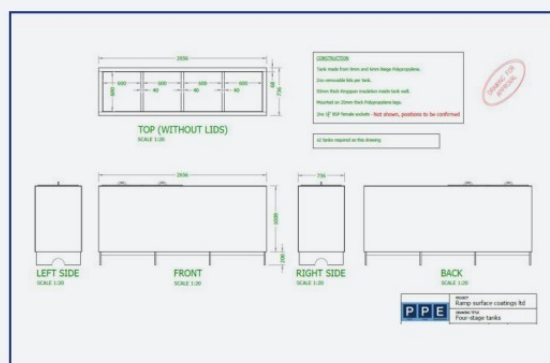
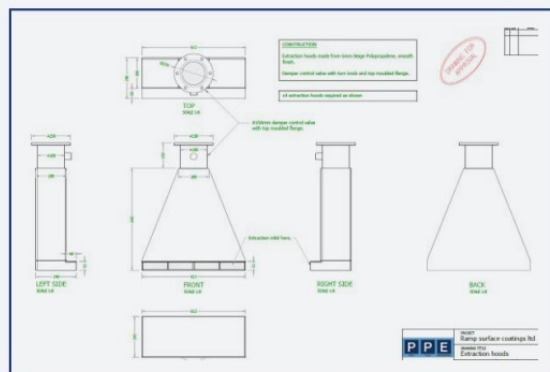
COMING SOON

PASSIVATION TO:

- AMS2700
- EPS 2037 SAFRAN
- FEIS 1 1 5 UTC AEROSPACE

SALT SPRAY:

- IN HOUSE FACILITY



RSC UPGRADED MEASURING CAPABILITY

Derek Smith, Operations Director, RSC

DeFelsko PosiTector SmartLink + Ferrous / non Ferrous probe.

Bluetooth communication – devices such as tablets and phones can be used with the downloadable app – Android or IOS.

Intuitive easy-to-use touch screen operation

Every reading is instantly transmitted to your smart device

Lightweight and compact design
- uses one AAA battery

Auto-pairing Bluetooth Low Energy (BLE) connection works up to 10m away (30 feet)

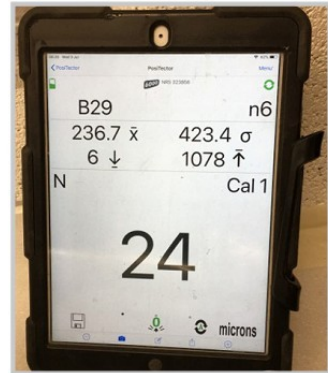
Add images to individual readings or batches using the camera or image library

Rename batches and add notes using the keyboard or microphone

Real time graphing and statistical analysis with the swipe of a finger

AutoSync mode instantly backs up every reading to the cloud - No account required!

Device has among other jobs ensured we have accurate and repeatable measurement being taken on the Redmayne/ Honeywell Barrels - this is new work that RSC has recently won.



RSC TEST REPORT

Redmayne Barrel 2353H050

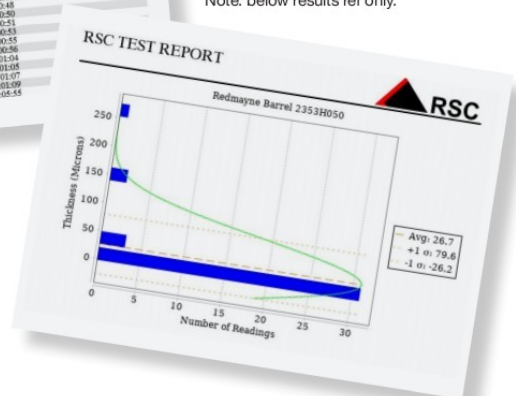
Created: 2019-06-05 17:31:09
PosiTector SmartLink S/N: 833820
Probe Type: PosiTector 6000 NR5
Probe S/N: 328956
CAL: Cal 1

Summary		#	x̄	σ	↓	↑
Thickness (Microns)		37	26.7	52.9	-5	278

Readings #	Thickness (Microns)	Time
1	27	2019-06-05 17:31:51
2	5	17:31:53
3	5	17:31:54
4	1	17:31:56
5	14	22:06:59
6	13	22:07:01
7	14	22:07:02
8	14	22:07:04
9	15	22:07:06
10	15	2019-06-06 14:00:28
11	27	14:00:30
12	145	14:00:41
13	13	14:00:44
14	12	14:00:46
15	10	14:00:48
16	7	14:00:50
17	12	14:00:51
18	12	14:00:53
19	9	14:00:55
20	278	14:00:56
21	14	14:01:04
22	12	14:01:05
23	12	14:01:07
24	3	14:01:09
25	19	14:01:55
26	13	
27		

Traceability is maintained with reference to the measuring device and probes serial numbers being stored alongside the measurement data. Graphical reporting also available.

Note: below results ref only.



OLD VS NEW PAINT BOOTHS

Derek Smith, Operations Director, RSC

Two old water back paint booths being removed



New plant commissioned & operational



New paint mixing room and two booths with direct drive fans including eco mode being installed



TEA BREAK TEASER



Question 1

Look at the picture and say the colours that you see

Question 2

Which one is matched correctly with its colour?

YELLOW

GREEN

ORANGE

PURPLE

BLUE

PINK

BROWN

WHITE

RED

MAGENTA

GREY

LILAC

SECRET SEVEN



This Issue's Secret Seven Director is Hayley Bell, Personal Development and HR Director for FGP Systems, RSC and FGP Lufton.

Each quarter a different Director is asked the same questions so you get to know a little bit more about them. Hayley was asked:

Favorite 90's TV show?

I loved the Fresh Prince of Bel-Air. Will Smith was one of my first crushes, so I never missed it. I can sing the theme tune word for word to this day and I am still drawn to funny witty guys. (Aren't we all ladies!) I also discovered Sponge Bob Square Pants in the 90's and was an avid watcher of that also... and while I've dated a few sponges in my time I can't say the two programmes were equally influential for me...

First Job?

I worked as a Saturday stable hand since I was about 10 years old, as I grew up having my own horses. I used to get a free riding lesson each week on my pony. First hard cash gig however, I worked at the local grocery shop when I was 13/14, working after school and on Saturdays. My job was to stock the shelves, help the older customers with their shopping and sometimes go on the till. I used to have to wear a lime green and brown tabard, and got so embarrassed if people came in from school! The £12 a week I used to get made it all worth it. After giving my mum £4 'keep' I would have £8 to spend. You would be surprised how much I could get with that... Normally a copy of Horse and Hound magazine and some sweets, then save the rest to get the latest CD single from Flacon Records.

What is the best fancy dress costume you've worn?

There have been so many! I guess if I had to pick one it would be when I dressed as Red Alice, from the new Alice in Wonderland movies for my Mum's wedding. Yes, wedding. It was a fancy dress wedding based around an Alice and Wonderland Carnival float, and not something that I will ever forget! It was great fun.

When you're not working, how do you spend your time?

I have just bought a doer upper cottage, so that takes up a lot of my time at the moment. When I'm not covered in paint, plaster or dust however I enjoy reading, writing, getting out and about in the sunshine and travelling with my daughter. We often take off in the car during the school holidays and explore the UK.

Favorite subject at school?

History. I would love to do a history degree when I retire actually and specialise in the English monarchy. When my daughter and I go out exploring, we often visit historical sites. We both share a love of English history and geology.

What is your hidden talent?

I would probably say cooking and baking. I'm not bad in the kitchen, and love baking and decorating cakes for special occasions. Maybe all those hours in my youth spend watching a square yellow man make crabby patties influenced me after all....

Something you say you'll do, but never do?

I keep telling myself I will finish one of the books I am writing and get it published one day. But I never seem to have enough time to get anything completed, and even the ones that are semi-finished I don't think I would have the guts to let anyone actually read (excuses, excuses, I know!) I just don't know how interested people would be in a story about a super witty, funny aqua man that lives under the sea, that needs to save the day due to historical monarchy influences.... Wait... has that been done already?

SPECIAL PROCESSING & NADCAP

Ian Rowe, Operations Director, FGP Lufton

Within the Aero Group today we have 2 distinct Value Streams:

- Machined Componentry & Assemblies
- Special Processing

So what is the definition of a Special Process?

The Engineering purist would deem it as "A special process is any production or service process which generates products or services which cannot be measured, monitored, or verified prior to delivery and use"

From the Aero group's perspective, today these Special Process Capabilities include:

- Protective Surface Coatings such as Chromic & Sulphuric Anodising, Passivation, Painting, Conversion Coatings (Alocrom, Surtec).
- Various methods of Metal Joining; Including Torch Brazing & Welding, Electron Beam Welding, Vacuum Brazing.
- Vacuum Heat Treatments
- Non Destructive Testing, include Penetrant Flaw Detect, Hardness & Conductivity Testing & Pressure Testing.

These Special Processes are also integral to our Machining value stream in that most of the componentry will also require a form of Special Processing in one way or another.

Having this overall capability within Group gives us a distinct advantage that we need to further promote and optimise; hence we have initiated a Group Project Hopper around new business opportunities that we review collectively and are now seeing opportunities that we can totally control and process complete within Group without any Sub-Contract Offload requirement.

Having a one stop capability really does represent a strong message and attractive proposition to the market and Customer base.

How do we get approval and maintain compliance on these processes?

These special processes would require NADCAP approval (National Aerospace and Defence Contractors Accreditation Program)

NADCAP being a worldwide cooperative program of major companies designed to manage a cost-effective consensus approach to special processes and products and provide continual improvement within the aerospace and defence industries.



NADCAP is a program administered by the Performance Review Institute (PRI) and was established in 1990 by SAE International.

A prerequisite of NADCAP approval being the Company must also hold AS9100 approvals.

As regards to gaining approval our NADCAP operators undertake intense and sometimes very lengthy training in which they are monitored, mentored and then finally certified by Experts

/ Consultants dedicated to that field of approval. ie Dye Penetrant level 2 Operators require 400 hours on the job training.

Alongside this the processes and procedures, they have to follow are very black and white with very little or any deviation permitted at all.

My takeaway to anyone reading this would be that whilst we visually see significant investment around the facilities in Plant Machinery, let's not lose sight of the people and training investment made within Group to obtain and maintain these Special Process Approvals.

Both of the above complement and enhance the 2 Value Streams that we continue to grow and develop plus give us a clear competitive edge, we just need to further optimise this going forward.

TRAINING CENTRE NEWS – A TESTING TIME INDEED!

Andrew Johnson, Apprentice Supervisor, FGP Systems Ltd.

As part of our commitment to the New Standards for Engineering Technicians our 1st and 2nd years are embarking on a month of Summative Assessments (assessment of learning).

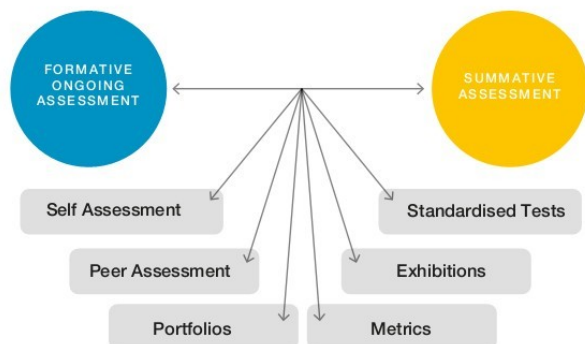
But I thought Apprenticeships were about doing stuff?

Yes *they are*, throughout the year we use formative assessment (assessment for learning)

The principal difference between these two assessment procedures is that, while the formative assessment is a kind of the instructional process, summative assessment is a sort of grading process.

A balanced assessment is based on both the two, that provides necessary information about the next steps of the teachers and to measure student's learning regarding the content standard.

Knowledge and Skills Competence are fundamental to Engineering Technicians.



TRAINING CENTRE NEWS – A TESTING TIME INDEED! (CONTINUED)

A few examples of this are:

- understanding of general engineering/manufacturing mathematical and scientific principles, methods, techniques, graphical expressions, symbols formulae and calculations used by engineering technicians
- understanding the structure, properties and characteristics of common materials used in the sector
- understanding and interpreting relevant engineering/manufacturing data and documentation in order to complete their job role
- working safely at all times, complying with health, safety and environmental legislation, regulations and organisational requirements planning

and where applicable obtaining all the resources required to undertake the work activity

- carrying out the required checks (such as quality, compliance or testing) using the correct procedures, processes and/or equipment
- dealing promptly and effectively with engineering/manufacturing problems within the limits of their responsibility using approved diagnostic methods and techniques and report those which cannot be resolved to the appropriate personnel

With all that said there is one missing ingredient, **Behaviour:**

Personal responsibility, resilience and ethics, Work effectively in teams, Effective

communication and interpersonal skills, Focus on quality and problem solving and Continuous personal development to name but a few.

So what are they up to?

The apprentices will be producing test pieces and sitting paper and online exams over the next few weeks and thank you to Cell Leads and Mentors during this time for your patients and support.

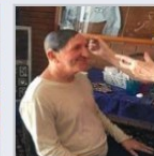
GOOD LUCK to Lewis, Sam, Antonia, Zayn, Morgan, Jack, Matt and Cedrick.

Biggest Mystery of Maths, 1000s of years passed, Millions of theorems derived, Millions of formulas made, but still, X is unknown!

Summer Fun

On the 22nd June the FGP Group took over Weymouth and Portland Rugby Club to hold the annual family fun day. The sun was shining, the food was sizzling and the kids were smiling..... you can't get much better than that!

We had a range of bands on throughout the day including Nathan-James, Toxic Fish and our very own Ruff Cutts. While the adults enjoyed the music the kids were entertained on the various



inflatables and rodeo horse. Ronnie from Diamond Faces was there to make everyone a bit more colourful, however there was a questionable look for Derek. An adults and children's tombola was put on to help raise money for our charities and did just that raising a total of £435.

Overall a great day was had by all. Next year's family fun day will be in Yeovil and we hope to see you all there.

ADDITIONS TO THE TEAM

The group would like to give a warm welcome to the new additions to the team this quarter. I am sure you will all join me in wishing them well in their new roles and congratulate them on their successful applications. So, welcome:

Samantha Wedge – Finance Manager at FGP Systems



CURRENT VACANCIES

FGP Systems are currently recruiting for:

- Night Shift CNC Turner at FGP Systems
- Grinder at FGP Systems

For more information, please contact kerry.weaver@fgpltd.co.uk



TEA BREAK TEASER SOLUTION



Question 1

Green-Grey-Purple-Red-Blue-Yellow-Magenta-Black-Pink-Orange-Cyan-Brown

Question 2

Blue on the text matches with the colour

THE Connector



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