

# Mitchell F&D Limited's Production & Process Development Services

*Do you want expert advice & support? Are you starting a new business? Is there any R&D work you need? Do you wish to develop new products?*

*Then, contact Peter Mitchell – One of the world's leading authorities in cider and perry production*

## Overview

**Mitchell F&D Limited** was founded in 2003 by **Peter Mitchell** – a highly qualified and internationally recognised authority in cider & perry making and juice production. With well over 30 years of practical experience, he is a professional trainer and consultant, a world renown cider & perry competition judge and a multi-award winning cider & perry producer in his own right.

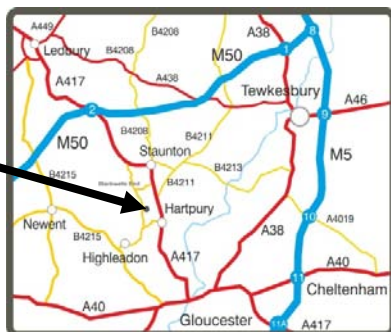
The production & process development service offered includes consultancy support, new product development (NPD), process improvements, sensory analysis, trouble-shooting and assistance with business planning & development.

As a key component of the Company, **The Cider & Perry Academy** also provides for a range of training programmes at introductory to advanced level. All scheduled courses are led by Peter, who can also undertake bespoke & tailor-made courses if required. Full details of all scheduled courses can be found on our website: [www.cider-academy.co.uk](http://www.cider-academy.co.uk)

## Where are we based?

The **Orchard Centre** at Hartpury in Gloucestershire is the base for a unique collaborative venture between **Mitchell F&D Limited**, **Hartpury Heritage Trust** and **Hartpury Process Limited**. It is conveniently located between two of the main cider production areas of the UK - Herefordshire and the South West of England. As well being the base for training courses, the venue incorporates a commercial production facility, which can be utilised for some of the services on offer.

**The Orchard Centre**  
Blackwell's End  
Hartpury  
GL19 3DB



## Contact details for Peter Mitchell

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## Business Planning & Development

Over many years, Peter has provided consultancy support and advice to numerous new & growing businesses across the world. Such work includes:

- Initial business scoping & planning.
- Facility & plant layout and equipment selection & use.
- Development of processes, procedures, specifications, product recipes, QA & QC systems and record keeping.

## Ongoing Consultancy Support

Further to the above, the following is also undertaken:

- Trouble-shooting, sensory evaluations and auditing.
- NPD and process reviews & improvements.
- Staff training and other ongoing advice as required.

## New Product & Process Development

In addition to work being undertaken on-site at a client's location, in the UK **Mitchell F&D Limited** has a comprehensive range of pilot-scale and laboratory equipment available for R&D and trial work as follows:

- Juice production equipment
- A set of three 100 litre fully controllable stainless-steel fermenters for fully managed & monitored trial work & process development.
- Laboratory-scale blending, filtration, carbonation, packaging & pasteurisation.
- Monitoring and laboratory analysis including %ABV, SG, CO<sub>2</sub>, acidity & pH, SO<sub>2</sub>, spectrophotometer-based assay kits (e.g. for fermentable sugars, organic nitrogen, organic acids etc) & colour.

Additional scale-up work can also be undertaken in conjunction with **Hartpury Process Limited**. Their own process equipment includes:

- Fruit processing and juicing up to a rate of at least 1,250 litres per day.
- Two 1000 litre stainless steel temperature controlled fermenters.
- Filtration, bottling & pasteurisation of still product.

Facilities can be accessed on a supervised self-help or fully contracted basis.