




## **THE Q-MARK DIFFERENCE**

**An overview of the Oak Frames  
Direct manufacturing process**







At Oak Frames Direct, we take pride in supplying the highest quality oak frame kits. This commitment to quality is demonstrated by offering our customers Q-Mark products independently certified by Exova BM TRADA. The Q-Mark testifies that the methods our frames experience in the manufacturing process meet approved standards – 22 industry standards to be exact. For you – the customer – our Q-Mark frames give you peace of mind and reassurance that the product you're ordering is approved by one of the leading authorities in timber.

# The Oak Frames Direct Manufacturing Process

We supply frames that go through several check points before they are ready to be despatched to you, the customer. Here's a taster of their journey:

## 1. Delivery of Timber

For our frames we source *Quercus Robur* or *Quercus Petraea* species of oak, as they consistently deliver the best quality of timber for the purpose of manufacturing. They are also more competitively priced due to the sustainable way they are farmed. These species are renowned for producing longer, straighter oaks, meaning there is a bigger volume of oak available. This, again, enables us to offer a more competitive price to customers.



## 2. Visual Checks & Grading

Once your project's timbers are received, each piece is inspected by the manufacturer and checked for any defects that could compromise the frame's stability or strength. If a piece shows any sign of weakness, it is rejected by a certified timber grader. These graders are fully qualified and re-train yearly to ensure their skills are always up to date. If all timber has passed visual checks, they are then paired with your dedicated file which includes a timber order cutting list, route card and project drawings – everything the manufacturer could possibly need to successfully create the components of your frame.



## 3. Precise Engineering

Using state-of-the-art technology, machinists produce high quality beams consistently and accurately. Renowned for its speed and precision, the top-of-the-range Hundegger CNC machine is put through a comprehensive calibration test prior to each job. Throughout production, the calibration of the machine is monitored and components are checked for accuracy on average every 30 minutes. This reduces the risk of both inaccuracies and waste resulting from any human or data processing errors.







#### 4. Quality Control

Once machined, each piece of timber goes through further checks to ensure that it meets quality standards and the machine hasn't uncovered any deeper defects.

#### 5. Final Checks Before Despatch

The engineered timbers are packed for delivery. Again, each project's timbers are checked visually and cross-referenced against its respective file to ensure all parts of the kit are present and correct.



## 6. The Finished Product

Whether you are using a builder or assembling the frame yourself, each Q-Marked kit is geared towards easy assembly. All kits come complete with clear instructions and all beams are pre-drilled for fixings and pre-cut for birdsmouth jointed rafters. Cut softwood ends are re-treated to validate frame guarantee and all components are coded to assist in the assembly process.





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