



Environmental

We recognise that all our futures rely on a better balance of economic & environmental conclusions.

Alchemy have started the journey.

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**Alchemy**



We recognise that all our futures rely on a better balance of economic & environmental conclusions. **We have placed this philosophy at the heart of our business ethos.**

We must develop product & distribution channels that only consume long term sustainable resources & leave the lightest possible footprint on our world.

**How have we started the journey?**



## Intelligent Design

Our customers asked for a more cost effective bench system. We took our successful Evolv bench system & using our experience & the latest stress analysis CAD software came up with the essence of what a bench should be. Analysing material gauge & cross section, component geometry, production & installation efficiency the Essence bench system was born.

Wonderful I here you say, another system cheaper than the one before but further analysis of Essence illustrates our intelligent design philosophy & value engineered approach.

- 55% less steel components than Evolv
- 32% material saving over Evolv
- 25% faster installation time than Evolv
- No pre delivery sub assemblies – 100% relocatable & recyclable

**Intelligent design** creates a better balance of economic & environmental conclusions.

# Intelligent Supply Chain



In 2016 we closed down our Far East manufacturing supply chain. Our products are UK manufactured

Our products are made to order reducing obsolete stock. We have very low levels of reject work ensuring we maximise the effective use of resource

We compile orders in our Rye warehouse & palletise components to almost eradicate the use of cardboard & reliance on others to dispose of packaging materials ethically.

We use distribution partners who are able to supply the correct vehicle for the delivery size. They also utilise the delivery run for their other clients ensuring vehicles do not return empty.

We offer a site installation service so that product is installed to the highest standards reducing damage & returns.

# Recycled Content by Product

Product	Manufactured with recycled content - % by mass	Designed for assembly on site & deconstruction.	Components that can be recycled after deconstruction - % by mass
Essence*	62%	✓	95%
Evolv*	61%	✓	95%
SitStand*	55%	✓	95%
Involv**	56%	✓	95%
Confer**	61%	✓	95%
Pedestal**	61%	✓	95%
Podium*	59%	✓	95%
Panel*	65%	✓	95%
Lockit***	65%	✓	95%
Fence****	63%	✓	95%
Involv WorkTable*	56%	✓	95%

- \* Based on a 4 person work station
- \*\* Based on a 8 person meeting table
- \*\*\* Based on a 12 person bank of lockers
- \*\*\*\* Based on a 2500mm shelf module

Steel based on 55% manufactured with recycled content & 95% potential recyclability after deconstruction.

MFC based on 65% manufactured with recycled content & 95% potential recyclability after deconstruction. Includes generation of electricity & heat via industrial biomass power plants.

## Metalwork

Steel inherently is a 100% recyclable material. It can be recycled at any point during its existence and can be re-used again and again without weakening the material.

However, both of the largest UK steel manufacturers only guarantee up to a maximum content of 55% recycled steel as part of any new batch produced. Our steel is sourced from either of these two companies.

## MFC

We use 18 & 25mm Melamine Faced Chipboard, with the industry standard 2mm pvc edge detail. This board is sourced from responsible UK suppliers, who use the leading European board manufacturers; Kronospan and Egger.

30% of the woodchips used in the creation of the board is from recycled material, with a further 35% from sawmill waste such as sawdust, shavings & bark. Wood that is not suitable for MFC is transformed into environmentally-friendly electricity and heat in biomass power plants, eliminating 1,487,001 tonnes of CO<sub>2</sub> from the environment, as compared to energy generation using natural gas.\*

Our UK suppliers as standard, supply 70% of all boards from FSC compliant source and are fully FSC and PEFC chain of custody certified. However, we can on request, offer 100% FSC compliancy on the boards supplied.\*\*

## Fabric & Foams

Most of the fabrics we offer are UK manufactured including a wide choice of environmental fabrics, made from recycled raw materials, or rapidly renewable sources such as wool. All our fabrics meet international technical standards and come with a minimum 5 year guarantee of wearability. We only use high resilient combustion modified foams.

\*Figures from Egger Environment & Sustainability Report.  
\*\*May increase product lead times