

WPC – the perfect mixture of thermoplastics and natural fibres



The advantages of plastics combined with the best of natural fibres: WPC is a new material which uses renewable raw materials to limit the use of depletable resources. This is not just good for the environment but also for the end product, for example decking boards.

The material properties are clearly improved and the design options for classic timber products are multiplied. The result is a solution for perfect products that also respect nature.

WPC – extrusion that connects

Not all countries or continents are alike. For this reason, WEBER have continually optimised WPC extrusion during recent years. This means that customers can combine the classic plastic materials with natural fibres which are from their region and therefore cheaper. Whether wood, sisal, hemp, coconut fibre or rice hulls – the result is always perfect.



Produced on WEBER extruders



WEBER
GREEN
TECHNOLOGY

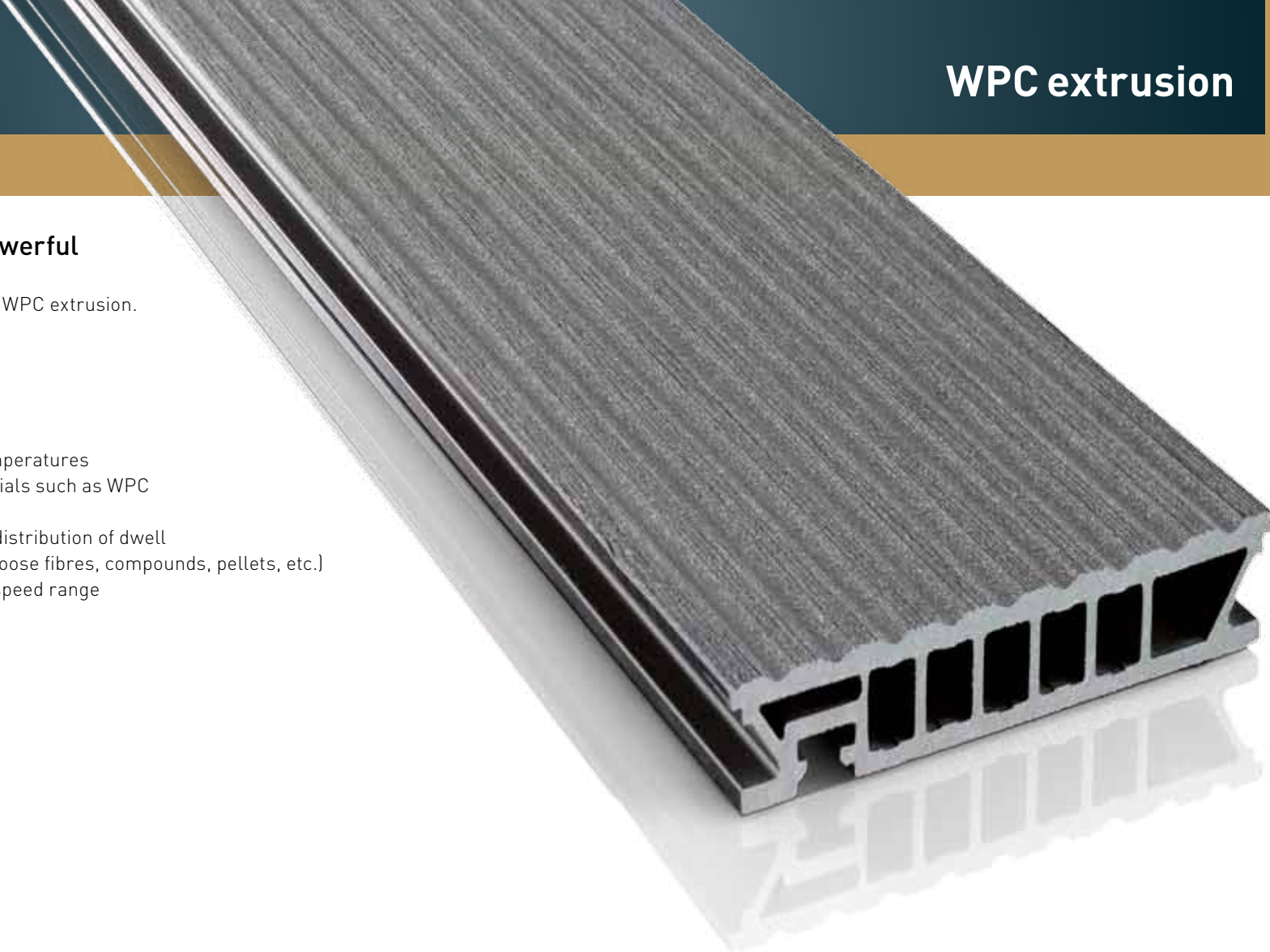


WPC Edition – versatile and powerful

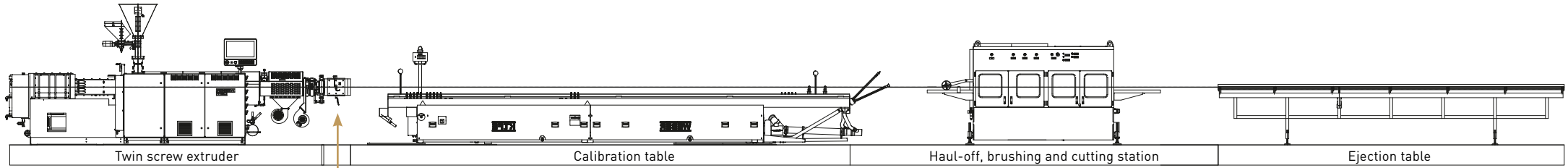
WEBER twin screw extruders are ideal for WPC extrusion.

Advantages of the WEBER WPC Edition

- Low shear rates and moderate melt temperatures
- Particularly suitable for sensitive materials such as WPC
- High torque
- Self-cleaning function, therefore close distribution of dwell
- Processing of different material types (loose fibres, compounds, pellets, etc.)
- High constant output across the entire speed range
- Outgassing
- Optimised wear protection



WEBER complete systems for WPC extrusion



Tools of internationally renowned tool manufacturers are especially selected for the product.



Frequency controlled vacuum pumps, optionally available



Inline brushing station



Haul-off

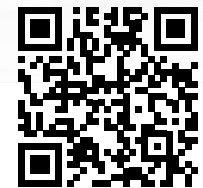
Brushing station

Saw



Complete solutions from one provider

WEBER provides customers with the individual line components such as extruders, calibration tables, haul-off, brushing and cutting stations as well as ejector tables, all from one source. This creates an ideal system solution without interface problems – and everything in the usual WEBER quality.



Cylindrical twin screw extruder
WPC Edition Twin Screw Series

Extruder	max. output [kg/h] for compound processing*
DS 7 FE	100
DS 9 FE	300
DS 11 FE	450
DS 13 FE	650
DS 15 FE	1,000

Conical twin screw extruder

Extruder	max. output [kg/h] for compound processing*
CE 5 FE	70
CE 7 FE	120
CE 8 FE	160

* Beologic 50:50
PVC based
WPC
Beologic 70:30
PO based
WPC
Resysta®

Co-extrusion made easy

WEBER co-extrusion technology underwent continuous further development during recent years and offers two crucial advantages: It reduces material costs through the use of regenerated material while giving the final product the best possible material properties.

Advantages of WEBER *co-extrusion*

- Reduction of material costs through use of recycled material
- This results in less strain on the environment
- Optimisation of the properties of the end products



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