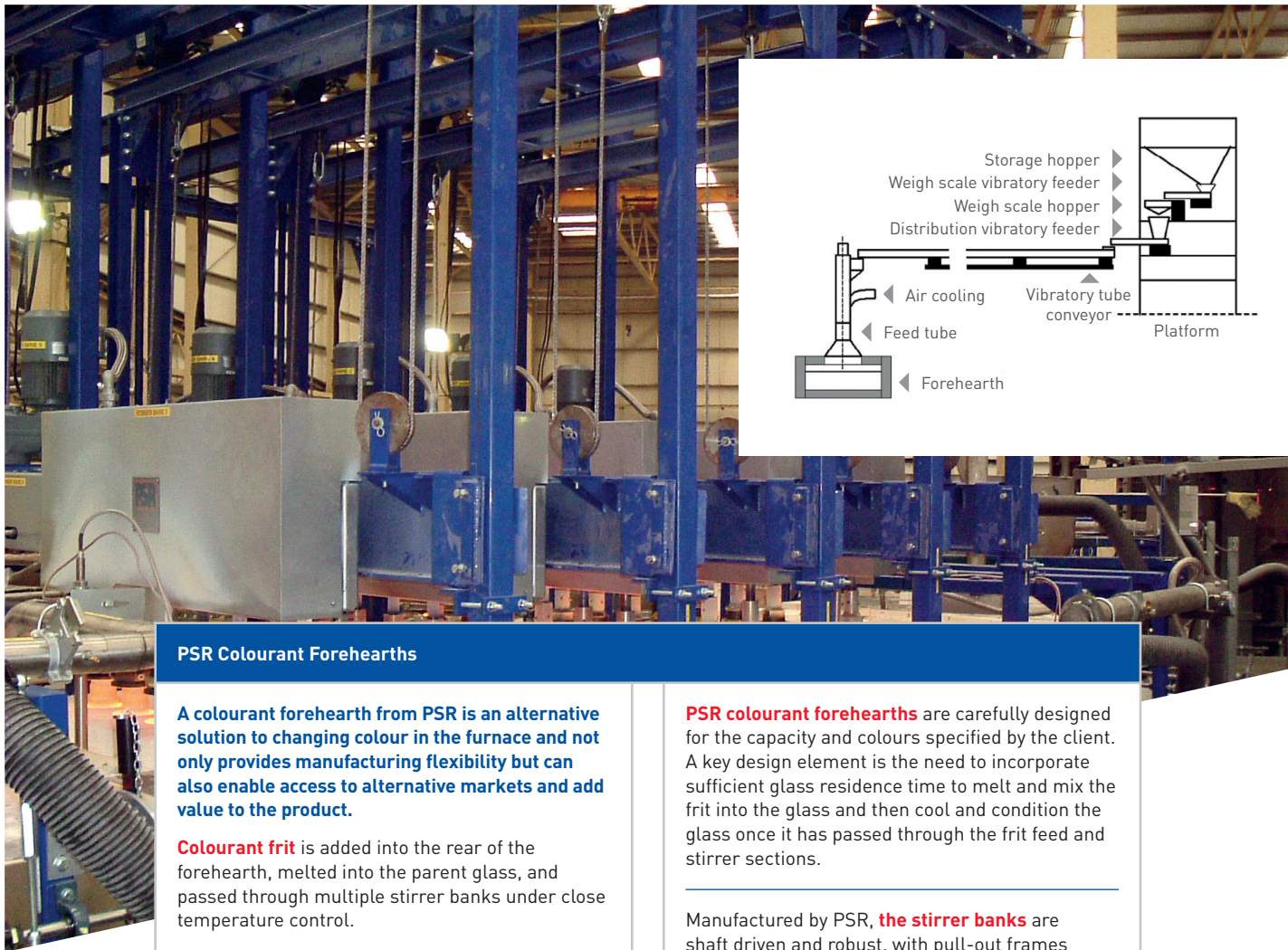




## PSR Colourant Forehearth

Colour flexibility when you need it.





## PSR Colourant Forehearths

**A colourant forehearth from PSR is an alternative solution to changing colour in the furnace and not only provides manufacturing flexibility but can also enable access to alternative markets and add value to the product.**

**Colourant frit** is added into the rear of the forehearth, melted into the parent glass, and passed through multiple stirrer banks under close temperature control.

**All colours with the exception of amber** can be melted in a PSR colourant forehearth. Coloured glass melted in the furnace, including amber, can also be darkened and a bronze colour can be melted in place of amber.

**PSR colourant forehearths** are available for all forehearth capacities from one tonne per day up to more than 100 tonnes per day.

**PSR colourant forehearths** are carefully designed for the capacity and colours specified by the client. A key design element is the need to incorporate sufficient glass residence time to melt and mix the frit into the glass and then cool and condition the glass once it has passed through the frit feed and stirrer sections.

Manufactured by PSR, **the stirrer banks** are shaft driven and robust, with pull-out frames and mechanisms that allow safe changing of the refractory stirrers over the feeder platform.

**The frit storage and feed assembly** is located close to the forehearth platform and the frit is fed into the forehearth via a vibratory feed conveyor at a rate that delivers the correct colour concentration for the forehearth operating tonnage.