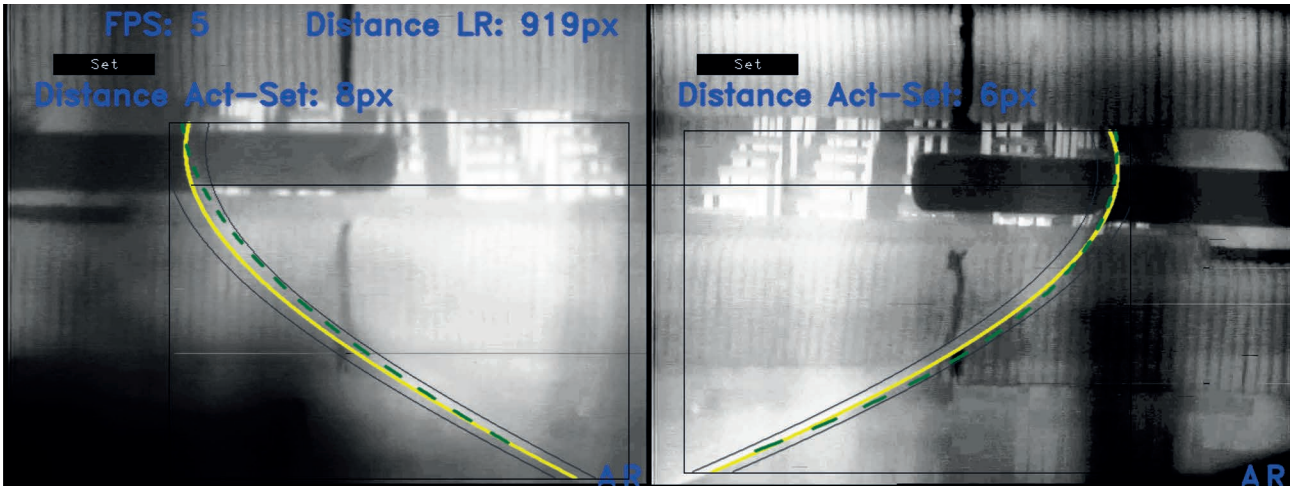


Method

- Identify / Detection of glass contour (2 cameras l/r in 1 system)
- Detection of deviation from nominal contour
- Automatic control of tweel position and first active toproll machine

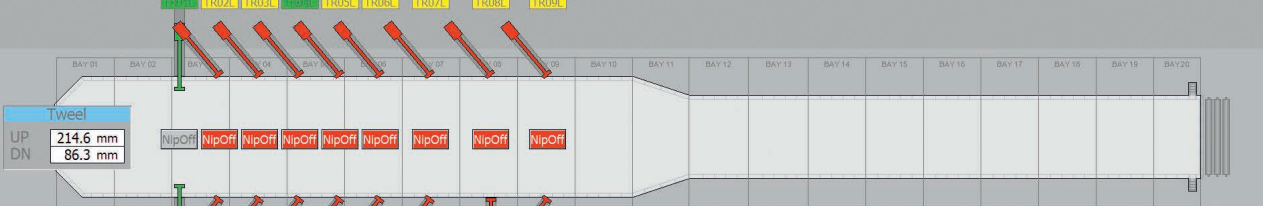


Detection of glass contour



Top Roller		Cooler / Camera		Parameter		Float 3		Messages		System info			
Date	Time	Tag name	Message text									Status	Acknowledgment
27/01/16	10:56:32	ST421168_WL	Toproller 01L Rotation Speed value : Low warning									I	A
27/01/16	10:56:32	ST421668_WL	Toproller 01R Rotation Speed value : Low warning									I	A

Float - Top Roller Control											
TR #01L	TR #02L	TR #03L	TR #04L	TR #05L	TR #06L	TR #07L	TR #08L	TR #09L	Speed SP	Speed PV	Penetration
6.00 m/min	5.00 m/min	4.96 m/min	10.00 m/min	10.00 m/min	10.00 m/min	30.00 m/min	10.00 m/min	10.00 m/min	0.00 m/min	0.00 m/min	0.00 m/min
599 mm	26 mm	26 mm	26 mm	26 mm	26 mm	26 mm	26 mm	26 mm	31.0 °C	31.4 °C	31.7 °C
-0.44 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	31.0 °C	31.4 °C	31.7 °C
54.60 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	31.0 °C	31.4 °C	31.7 °C
29.8 °C		31.6 °C							31.0 °C	31.4 °C	32.2 °C



TR #01R	TR #02R	TR #03R	TR #04R	TR #05R	TR #06R	TR #07R	TR #08R	TR #09R	Speed SP	Speed PV	Penetration
6.00 m/min	5.00 m/min	4.90 m/min	10.00 m/min	10.00 m/min	10.00 m/min	30.00 m/min	10.00 m/min	10.00 m/min	0.00 m/min	0.00 m/min	0.00 m/min
543 mm	26 mm	26 mm	26 mm	26 mm	26 mm	26 mm	26 mm	26 mm	31.5 °C	28.4 °C	28.7 °C
0.60 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	40.00 grd	31.5 °C	28.4 °C	28.7 °C
49.83 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	30.00 mm	31.5 °C	28.4 °C	28.7 °C
									31.5 °C	28.4 °C	28.7 °C

Top Rollers DCS Visualization Screen