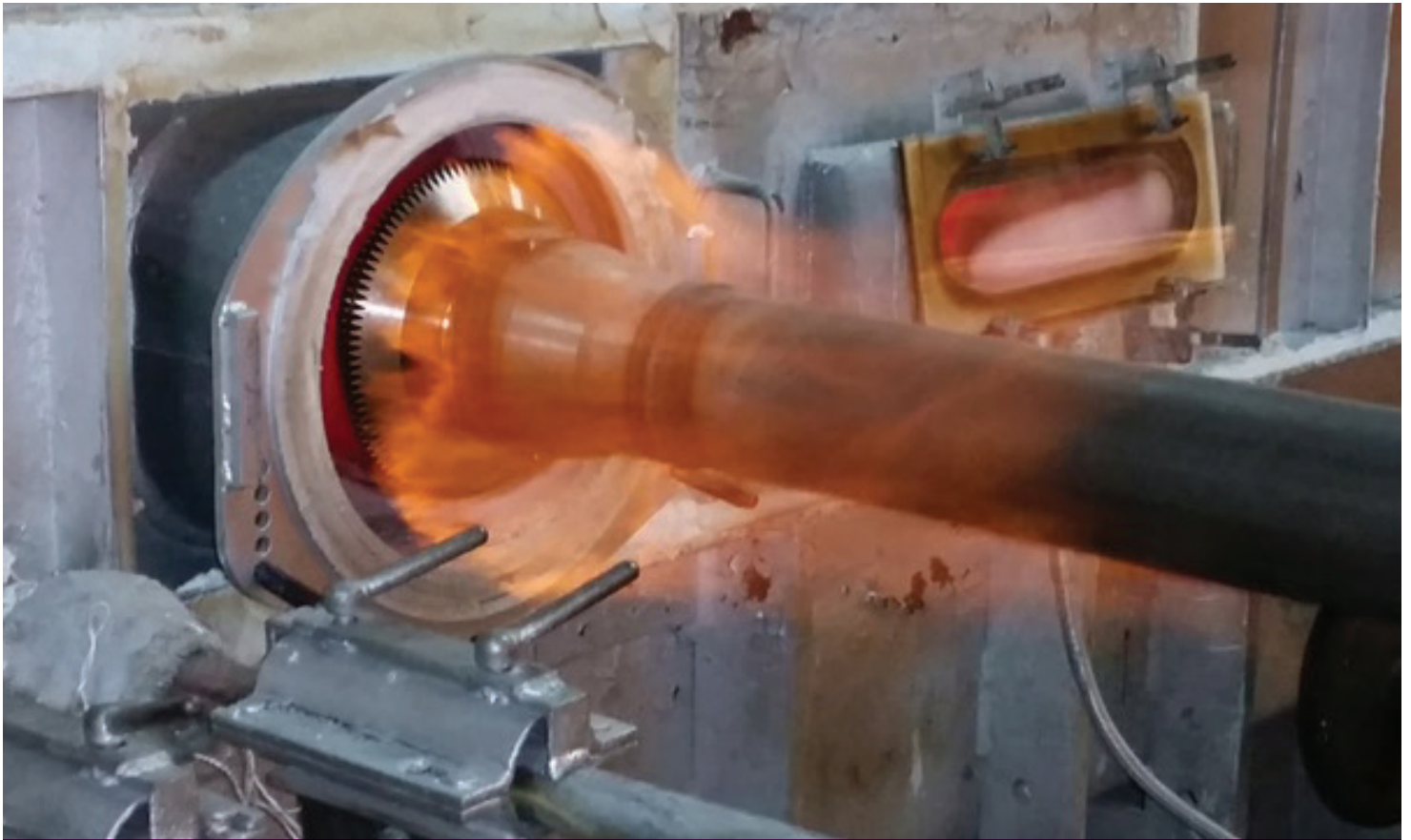


# Prium® Bath TREC (Edge Control)

Glass forming solution for automotive & ultra-thin application



A revolutionary concept in float glass forming\*: the knurl has its own movement of slew to allow a better grip of the ribbon.

\* Patent protected

- Pitch between top rollers starting from 300 mm
- Constant distance between two consecutive knurls on the glass ribbon
- Less than 0.02mm run-out
- Flexible configuration

# A new generation of top rollers

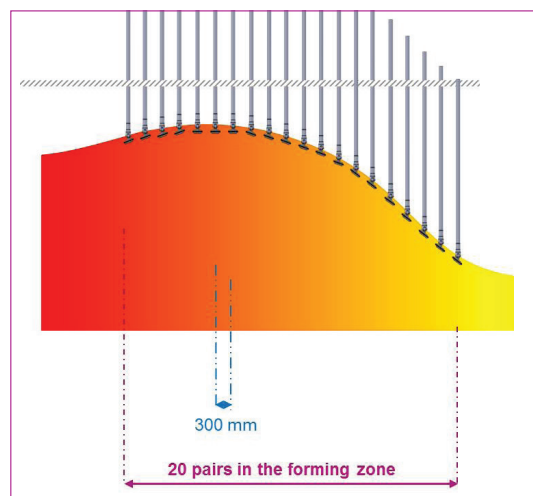
The new generation of top rollers called **Prium® Bath TREC** is characterised by an advanced kinematics of the top rollers head that combines both knurl and slew movements.

A real technological advance that will bring flexibility and mobility in all production operations, thus avoiding to adjust the top rollers support carriages.

## Process improvement

- **Constant pitch between consecutive points of contact with glass ribbon:**  
Glass ribbon evenly stretched all along the forming zone
- **Shorter forming zone:**  
Forming area more homogeneous in temperature
- **Higher process consistency:**  
More stable top rollers support carriages
- **Easier visionic:**  
Optimization of bath visionic system for a better process tuning
- **Improved Edge Control:**  
Very high flexibility on ribbon spreading shape
- **Better Edge Control results in improved optical quality**

MAIN CHARACTERISTICS		
	ACCURACY	RANGE
Knurl speed	Speed: $\pm 0.05\%$ Synchro: $\pm 0.01\%$	0.1 to 20 m/min
Knurl run-out	$\leq 0.02$ mm	
Travel	$\pm 1$ mm	Stroke: 3,700 mm
Slew	$\pm 0.05^\circ$	$-20^\circ / +20^\circ$
Up / Down	$\pm 0.1$ mm	100 mm
Nip	$< 0.1$ mm	90 mm (vertical)



## Breakthrough solution:

- Advanced knurl and slew kinematics
- Highly flexible configuration

Up to **20** | pairs of  
top rollers in 5.7 m

**$-20^\circ / +20^\circ$**  | Angular positioning  
range

**300mm** | shortest pitch  
between top rollers