

# VacuFL3X

Next generation vacuum roller



## JHT VacuFL3X vacuum roller

- 3D-printed from stainless steel
- Segmented design
- Sensitive vacuum zone geometry
- Adjustable, high-power vacuum
- Toolless web width and contact angle adaption
- Temperature control through double shell system
- Single- or double-sided bearings



**Single-sided VacuFL3X-System**



**Double-sided VacuFL3X-System**

## Roller

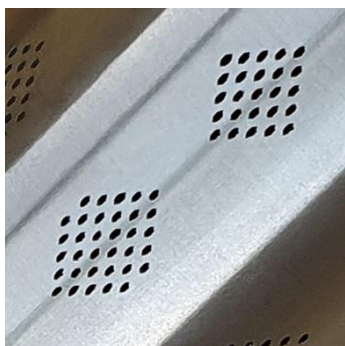
Diameter	130 - 300	mm	Depending on width
Width	150 - 1.000	mm	
Runout accuracy	≥ 0,01	mm	Higher accuracy on request
Surface quality	≥ Ra 0,1 / Rz 1		Higher quality on request
Machine speed	Up to 100	m/min	
Bearings	Single- or double-sided		Depending on width
Material	Stainless steel (1.4404)		

## Vacuum zones

Vacuum level	0 - 80	%	Depending on vacuum supplier
Contact angle	30 - 200	°	> 200° on request
Width	Roller width - 50	mm	100 - 750 mm
Web width steps	≥ 50 (2x 25)	mm	
Number of zones	3 - 6		Depending on roller diameter and contact angle
Interconnection	Symmetrical to the center		Double-sided on request
Minimal cross section	≥ 0,5	mm	Must be 3D-printable

## Temperature control

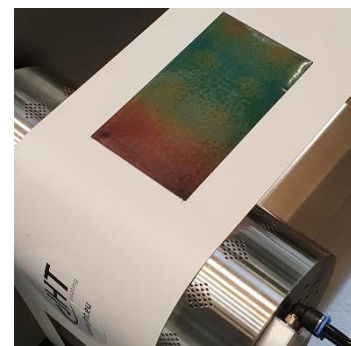
Technology	Double shell system		
Media	Water		Oil on request
Range	12 - 90	°C	Higher temperature on request
Supply	Single- or double-sided		Depending on width
Interconnection	BSP thread		Others on request



**3D-printed and grinded surface with optimized vacuum zones**



**Sealing segment for actuating and tool-free verifying of the contact angle and width**



**Liquid based temperature control with double shell system**