

# CyKlon® carbon fiber bridge mandrel for CI flexo presses

*The sustainable solution for high quality printing*



**EPSILON**  
ROLLERS  
*The alternative*

## 3 grades of performance

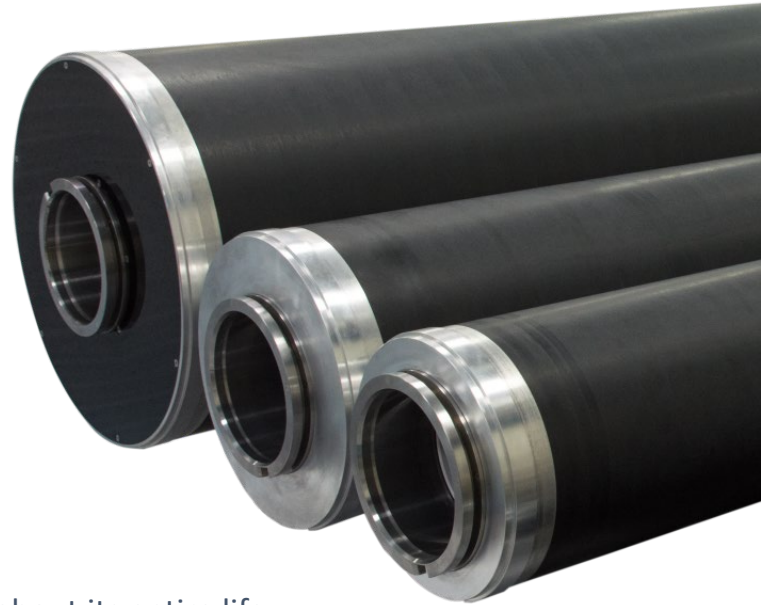
- CyKlon® **Star**
- CyKlon® **Evolution**
- CyKlon® **Essential**

## Superior printing quality

- Speed up to **800m/min**
- Patented K1® **bouncing mitigation** technology

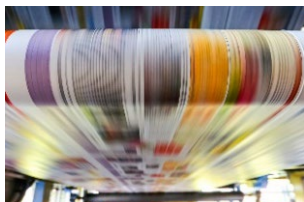
## Built to last

- **Self-serviceable** for optimum performance throughout its entire life
- **Robust** design for extended longevity : 7.000 CyKlon® in operation worldwide

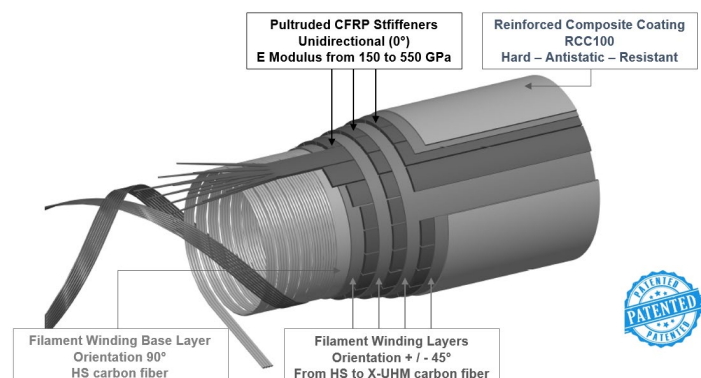


## Epsilon composite, the carbon fiber expert

- From ultra-deep offshore to aerospace, Epsilon Composite designs, develops and manufactures the finest carbon fiber components for the most demanding environments
- As a long-years established supplier of the leading printing press manufacturers, its Epsilon Rollers division offers the patented and proven K1® technology directly to the printing and the packaging industries



## The K1® genuine technology



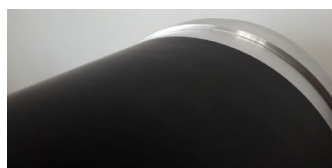
## Product features

Clamping	Pneumatic	Hydraulic
Printing speed	Up to <b>800 m/min</b>	
Printing formats	Stork : F360 to <b>F2000</b>	
Printing width	800 mm to <b>2.800 mm</b>	
Total deflection	Down to <b>15 µm</b> under 1 N/mm load	
Air flow system	Available both <b>Flow-Through</b> or <b>Side-Air</b>   Max pressure 8 bars @ 12 l/min	
Compatibility	Adapted to all kind of sleeve under Stork standard	
Journals / ends	Aluminum ends or thermoplastics	Stainless steel or bi-material
T.I.R	T.I.R <sub>max</sub> = <b>0,010 mm</b>	T.I.R <sub>max</sub> = <b>0,005 mm</b>

## Smart products for flexo print shops



- Metallic ends for robustness and splinters protection
- Interchangeable pin and key for extended life-time
- Ring stopper for sleeve durability



- Conductive and wear resistant 85 Shore D repairable coating
- K1® patented air system to guaranty security and avoid blasts
- Light weight design to ease handling



- Ball spring air valves for a clean and efficient pneumatic system
- Colored fittings oriented toward pin to fasten job change
- Handling ring for operator convenience

## Premium services

- Operator training at factory acceptance test
- On-site CyKlon® health monitoring with frequency analysis
- **Air Max** upgrade to add new air holes on CyKlon® surface
- Self serviceable **Easy Fix** maintenance kit
- **Extra Life** program for life time extension

