

RETROFIT WITH CIRUS

Customer benefit



Higher cycle rates & reduced process time due to cut & seal in one process step



No warm-up and cool-down phases



Avoidance of changeover times
One heat-sealing tool for different film sizes



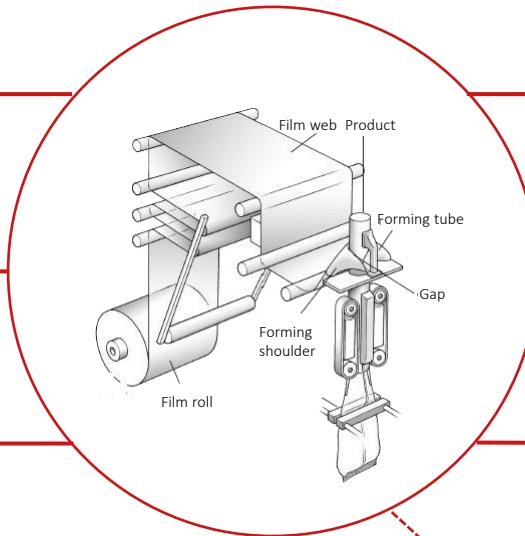
Fast and precise temperature control
due to sensorless temperature control in ms



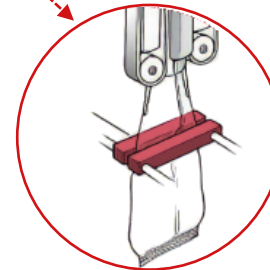
Use in humid environment possible



Instant stability of the seam
due to integrated cooling



Sealing unit



Comparison CIRUS vs. constant heat

Requirement	CIRUS	vs.	Constant heat
Stability of the seam	Very fast due to integrated water cooling		Low stability due to lack of cooling
Temperature control	Fast and precise		Slow and depending on the temperature sensor
Format change of the film	Format-independent, no tool change required		Depending on format, tool change necessary
Cut & seal	One process step		Two process steps with high risk of injury due to mechanical cutting knife
Material saving	Possible due to cut & seal		Not possible
Humid production environment	Use possible due to "Fluid Secure" tools (IP65) for humid environment		Usually not suitable for this purpose
Heat input to the product	Minimal due to active cooling and temperature impulses		Due to radiant heat and continuous heating very high
Warm-up phase after each machine restart	Not necessary		Necessary
Test runs after each machine start	Not necessary		Necessary
Cool-down phase after each machine stop	Not necessary		Necessary