

The Digital Sealing Solution

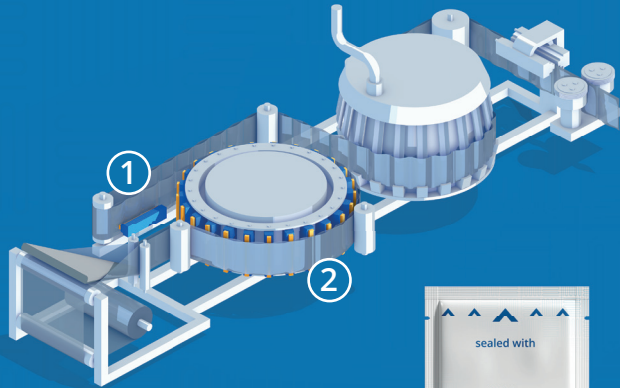
watttron
The benchmark of efficiency

High-Speed HFFS Pouch Making Application

Challenges

for mono-material processing

- Start-up losses
- Deformed and shrunk seals and packaging
- Slow sealing system response to speed change
- Damaged packaging during machine stops due to continuous heat contact



watttrons Solution

Benefits



Mono-material processing



Energy saving



Fast ramp-up and cool down

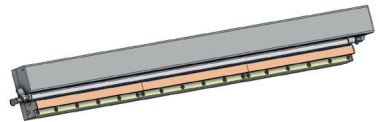


Easy machine integration



Increase quality and output

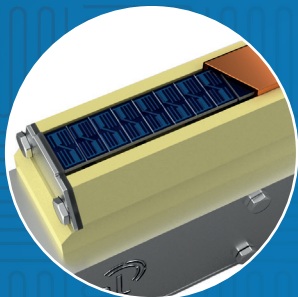
1 Bottom Sealing



2 Vertical Sealing



Technology DeepDive



Precise temperature control

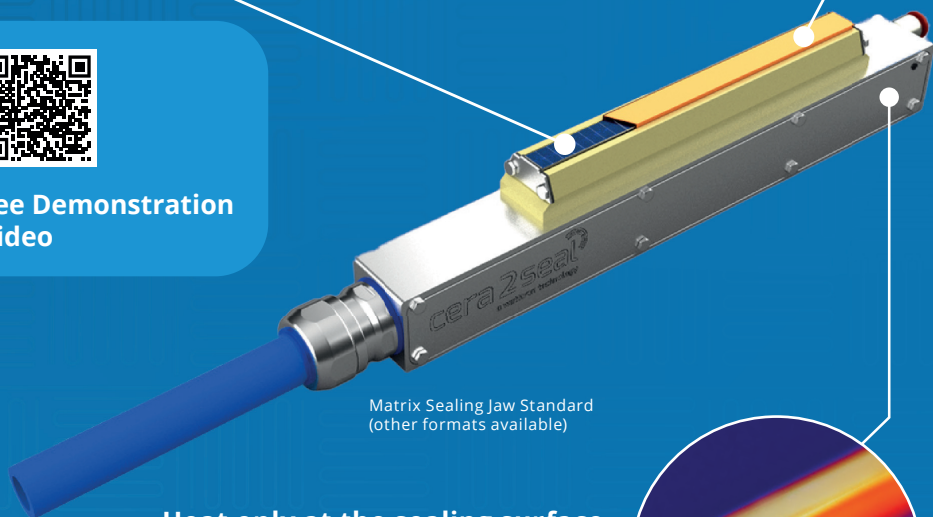
Localized heat application via individually controlled pixels enables variable temperature zones, such as for sealing layer steps or a homogeneous sealing area.

$\Delta T < 2\text{ }^{\circ}\text{C}$ accuracy for each pixel

enables the processing of mono-materials and reduces adhesion and need for teflon.



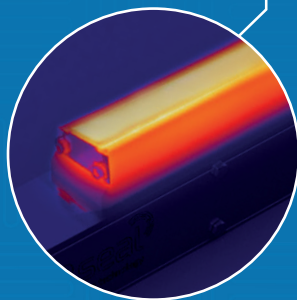
See Demonstration
Video



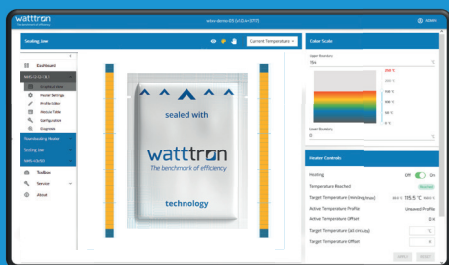
Matrix Sealing Jaw Standard
(other formats available)

Heat only at the sealing surface

Reduced electricity consumption and decreased thermal impact on the machine.



Intuitive Graphic User Interface



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