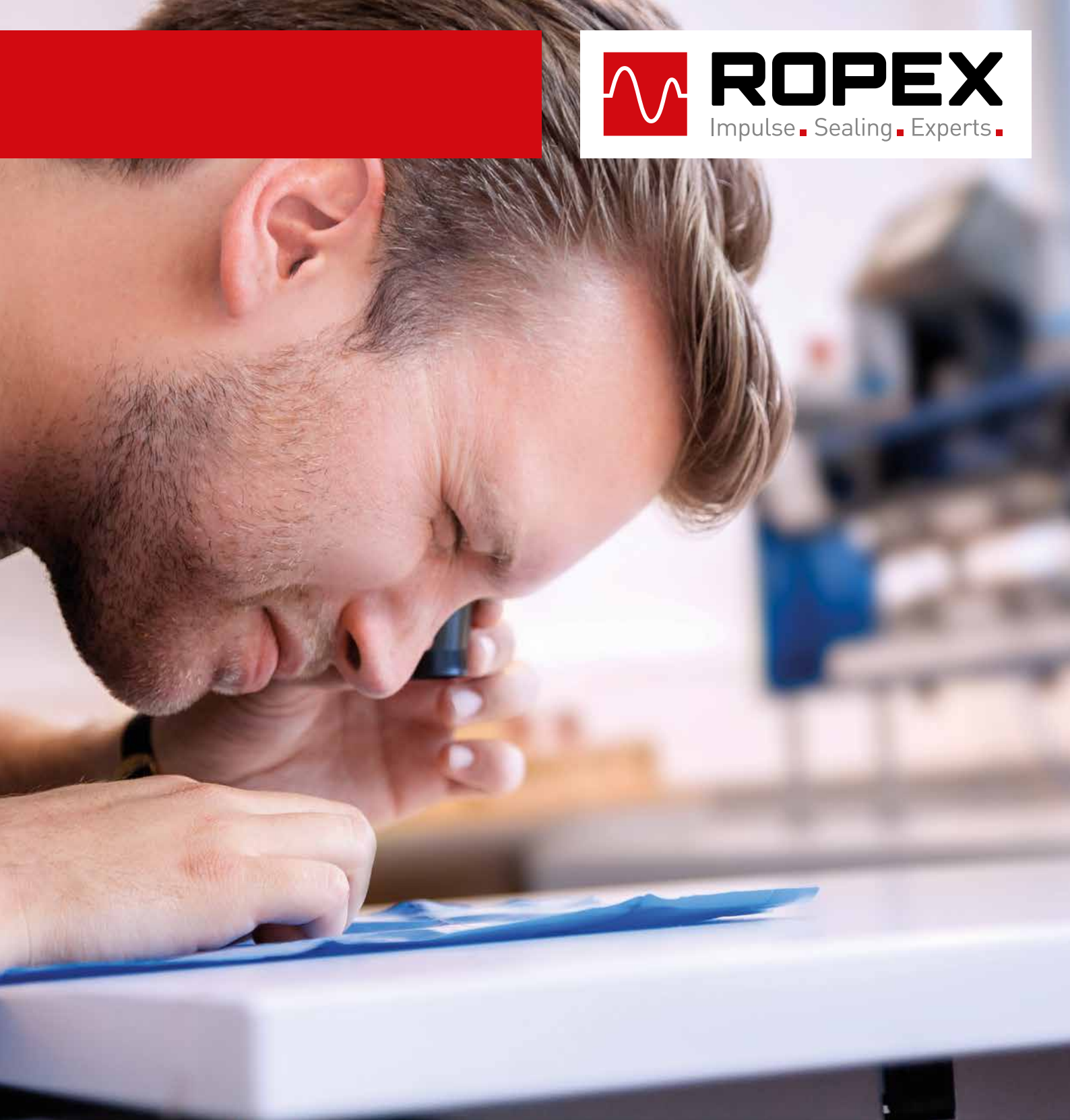




**ROPEX**

Impulse ■ Sealing ■ Experts ■



**ROPEX –**

Your impulse sealing experts for all types  
of plastic films



# Precision as a core competence



## Deep knowlegde in film sealing

Our main focus is on film sealing. The solutions are based on our deep understanding of the impulse sealing process.



## Providing quality

Due to the exclusive use of ROPEX components, we are able to assure a low-maintenance and high-quality sealing system.




## Individual solutions

With efficient processes we provide fast, flexible and sophisticated solutions to our customers - tailored for your application!



## Managing integration

With our competence we are well positioned for the integration of our heat sealing solutions into complex machine processes.



## Ensuring process reliability

Based on our competence in dimensioning all components of the sealing system, we are able to ensure a process reliable application.



## Development of components

All components and parts are selected and designed in accordance with the requirements of your project.



# Experts for impulse sealing



New technical possibilities.  
Individual solutions.  
As your requirements are unique.



## Know-how & Added value

We develop new technical options for our customers and offer added value by trend-setting products and high efficient solutions.



## Quality & Reliability

Our customers can count on many years of experience and the usage of the latest technologies.



## Individuality & Solutions

As the requirements for a heat sealing concept are never the same, we always develop individual solutions for our customers.



## Security & Prospects of Success

With well-engineered solutions and high quality standards we provide our customers security for the success of their projects.



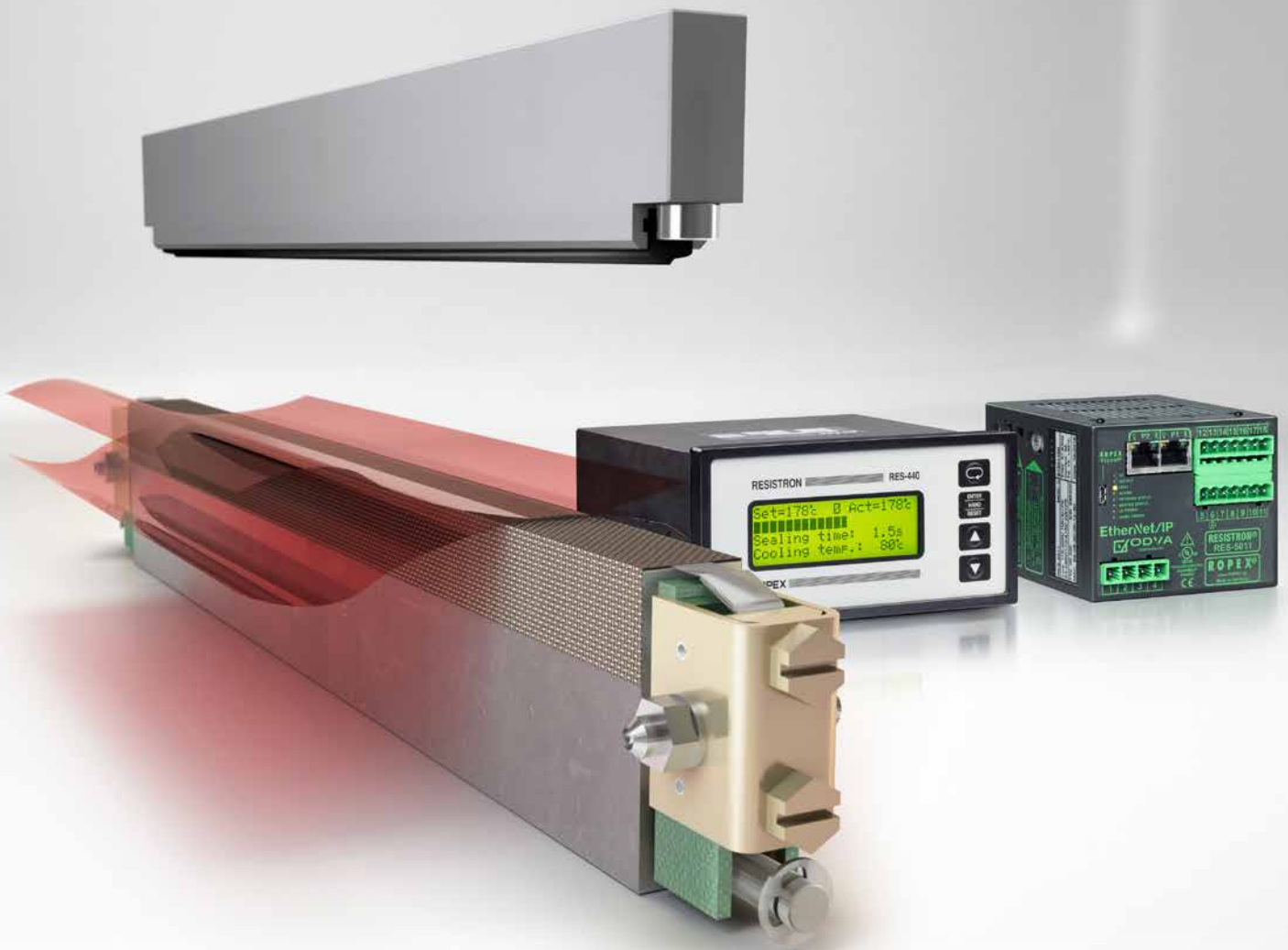
## Precision & Accuracy

Our customers benefit from the precise and accurate handling of their request.



## Partnership & Service

Extensive consulting service, short communication channels and tailored system solutions for maximum customer focus.

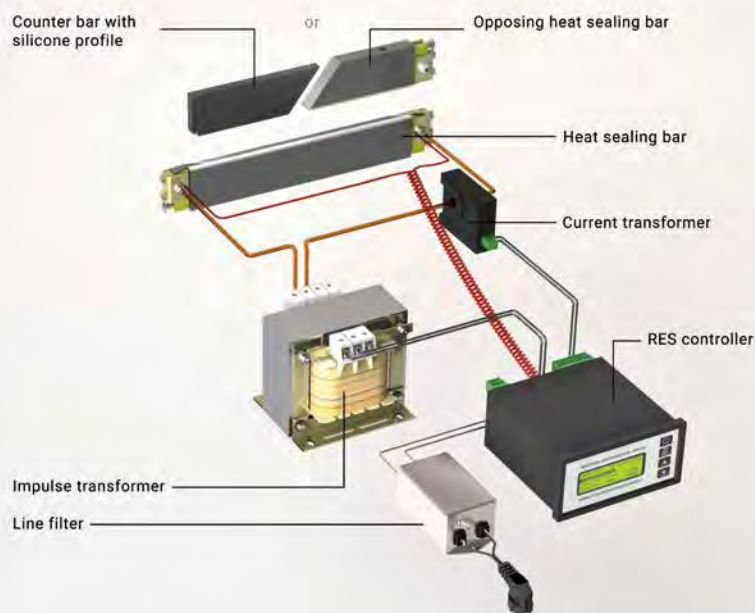


## **RESISTRON –**

Proven system with heat sealing band –  
combined with the latest technology

With the RESISTRON sealing system we offer you optimal solutions for your sealing application. With our proven and further developed heat sealing bars, as well as our various controller portfolio, we provide a broad spectrum of solutions.





## The flexible solution

- The complete sealing system is harmonized with your application
- Every RESISTRON sealing system in your machine is based on the ROPEX application report
- We provide various solutions: flat seal, trim seal, peel seal, fusion, perforation seal, cutting and more
- Our temperature controllers are available as top-hat rail- and display-versions with a variety of possible interfaces
- ROPEX system components are individually dimensioned
- Our competent team supports you in the integration into your machine and process chain

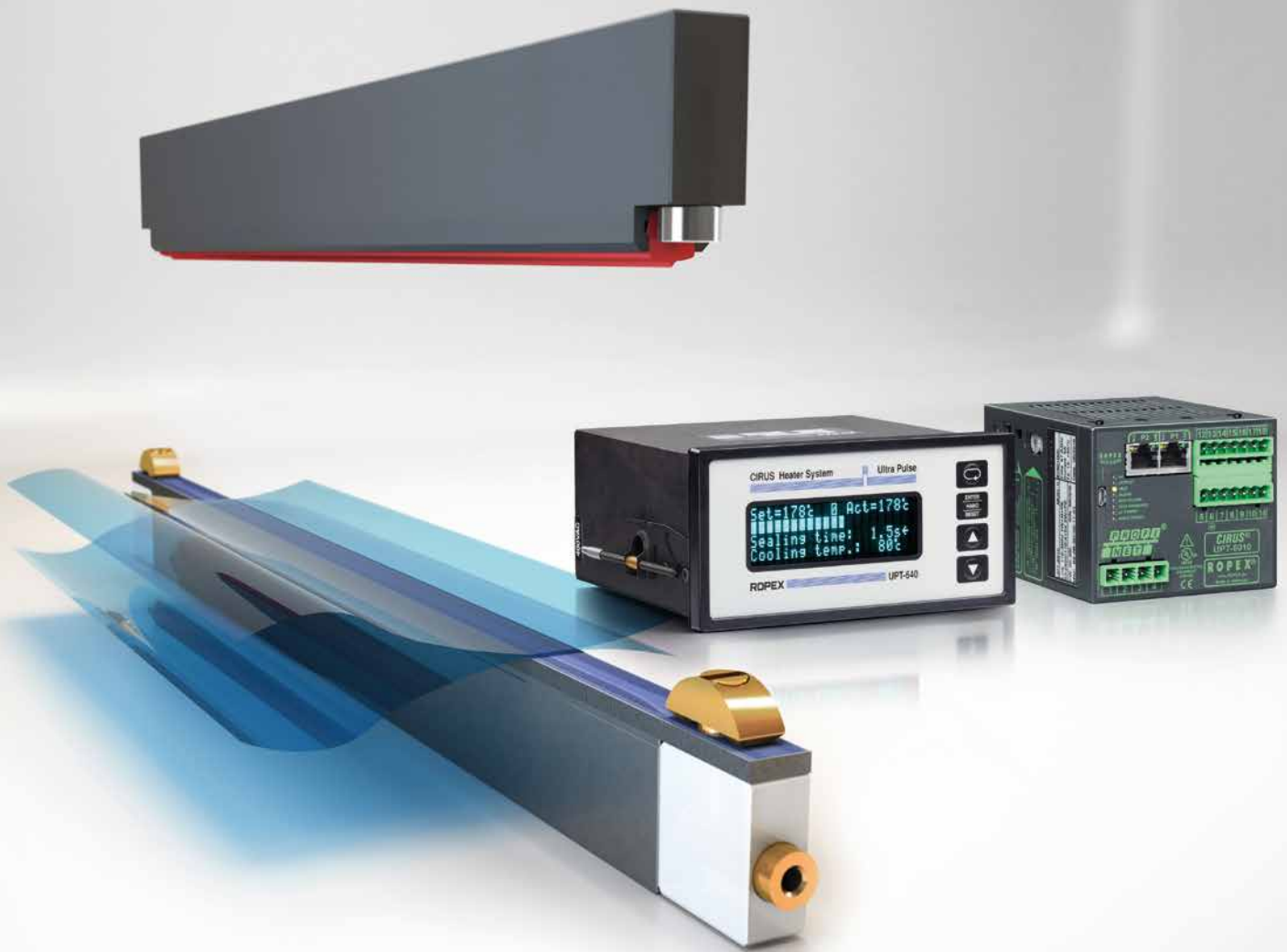
## RES temperature controllers for every case of application

- Sensorless temperature determination by measuring voltage and current at the heat sealing band
- Precise control of the sealing temperature
- Diagnostic functions for the analysis of error causes
- Visualization software for diagnosis and optimization of your application
- Various functions and setting options provide you ideal adjustment possibilities
- The controller communicates with your control system via analog, digital, field bus or Ethernet-based interfaces
- UL-certified temperature controllers in the portfolio



## Customized heat sealing bars with heat sealing bands

- We design your tool for your sealing application and machine dimensioning
- Heat sealing bars are available in straight versions with or without cooling, as well as for contoured and 3D-applications; lengths from a few cm to several meters are possible
- Our application team develops your customized tool together with you and performs sealing tests with your film in our technical center
- We dimension the heat sealing band, the appropriate underlay and Teflon tape to your film properties and your application

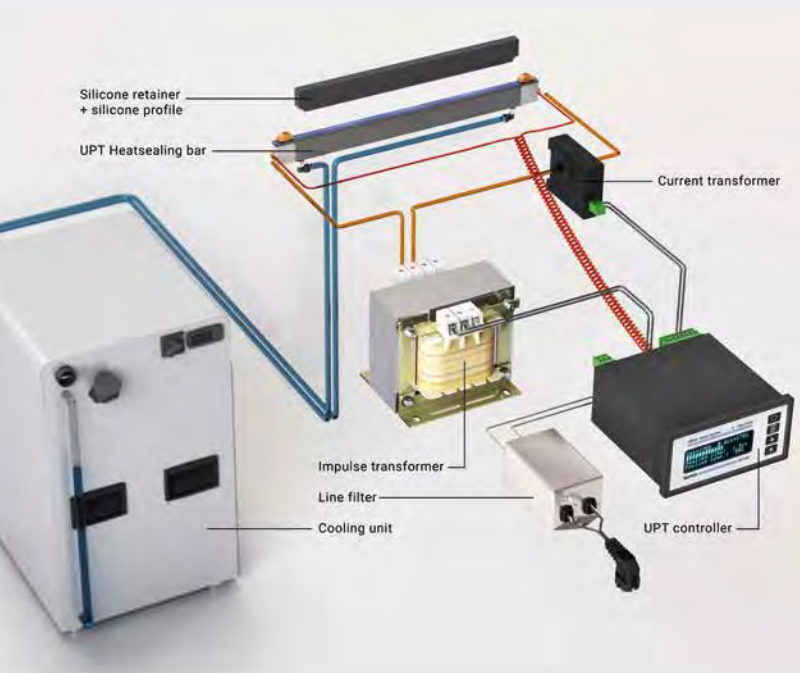


## **CIRUS** – Temperature dynamics of 6000 K/s – Highly dynamic heat sealing systems for the packaging industry

Our CIRUS heat sealing system is the optimal solution for the packaging industry. CIRUS meets the highest demands concerning efficient cooling of the sealed seam, implementation of seam line and contour of pouches, while minimizing heat stress to the packaged goods. Due to short changeover time and minimum maintenance effort, you always have a benefit.



**ROPEX**  
Impulse ■ Sealing ■ Experts ■



## The perfect solution

- CIRUS system for heat sealing of thermoplastics in impulse mode
- No moving parts → minimum maintenance effort
- Performing with extremely high temperature dynamics → high heating-up and cooling-down rates
- Processing of different film widths with one single tool possible → format-independent operating
- Complete system – ready to use for your application

## Tailored system configuration

- Complete system consisting of sealing tool, temperature controller and electrical components
- Dimensioned and quoted as a complete system

## Heating-up & cooling-down in a few milliseconds

- Unique tool design with integrated water cooling → heating-up rate up to 6000 K/s and almost the same cooling-down rate
- Sealing tool runs in impulse mode → only the heating line heats up
- Heating line cools down in few 50 ms; the tool itself stays cool → no heat radiation into environment or product
- Our system allows short sealing times and short cooling times → short process time and high output



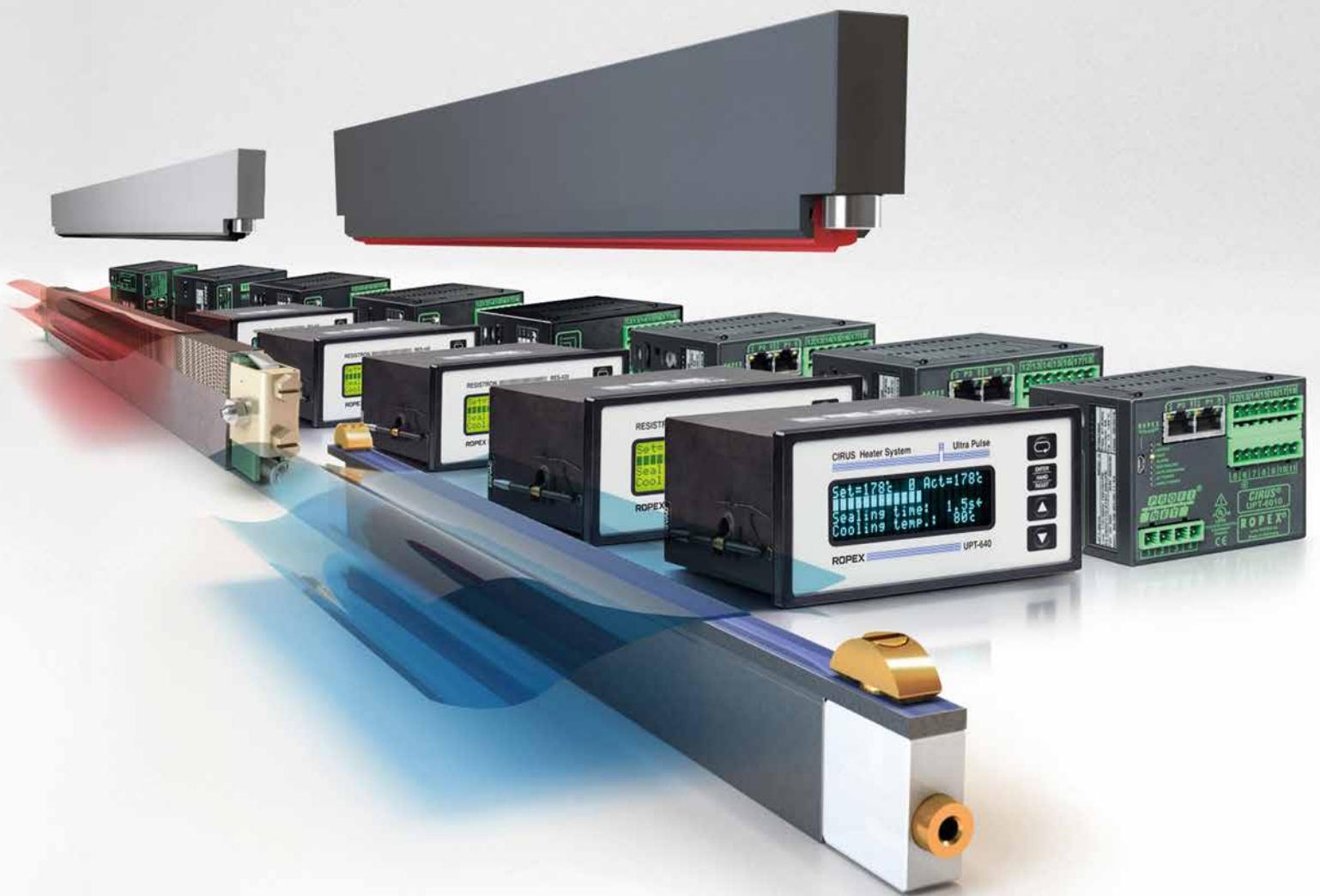
## Standard product portfolio

- Length of heating line from 100 mm up to 1,000 mm
- Width of heating line 2.8 mm, 4.8 mm or 6 mm
- If easy-to-clean and corrosion resistance is required, our FS-technology can be used (type of protection analog to IP65)

## Individual heating line contours

- With our special production technology it is possible to realize tailored heating line contours and tool geometries





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