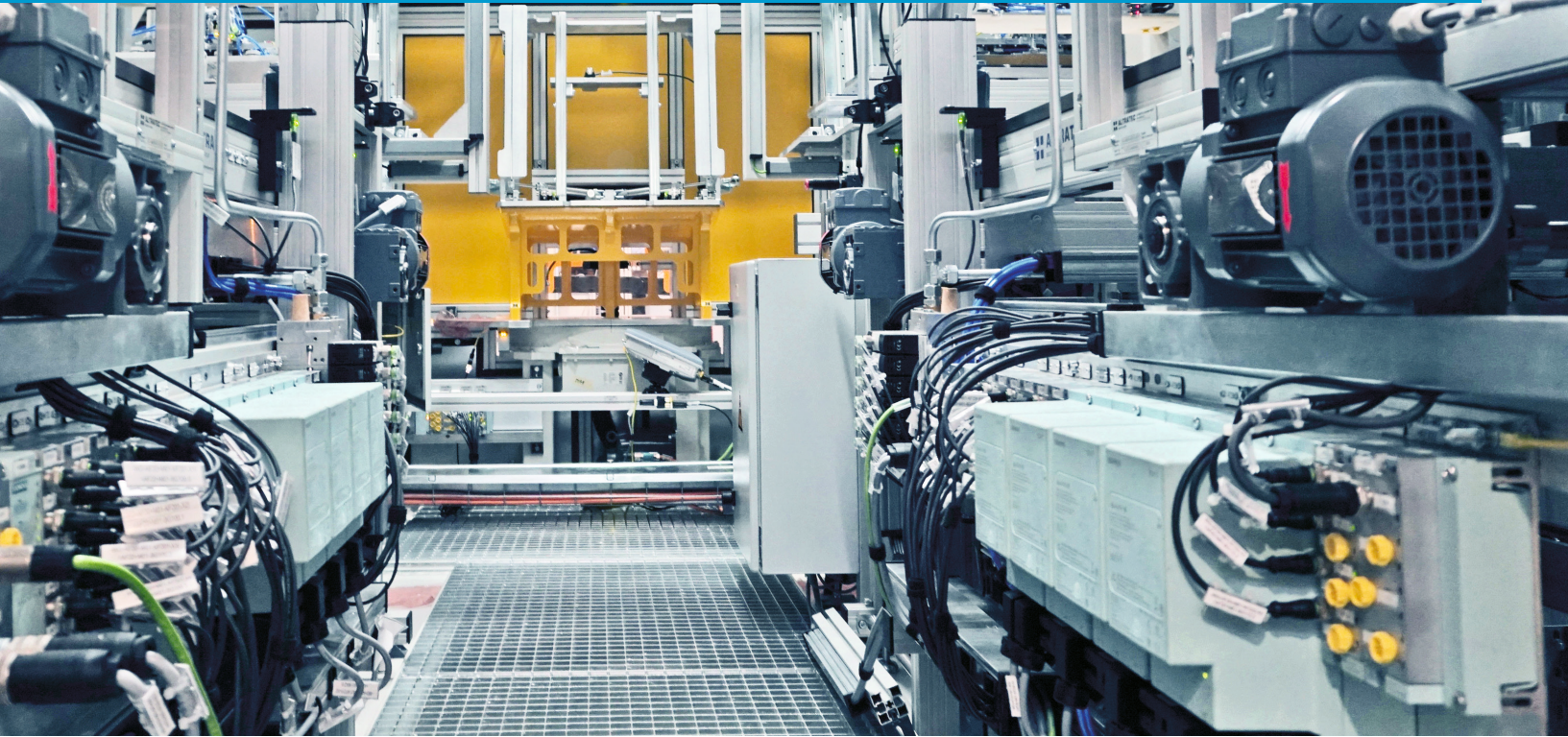


Fuel Cell

Stack and System Assembly



thyssenkrupp



Assembly along the value chain

Fuel cell stack and system assembly along the value chain

With our systems you stack cell elements, consisting of a pair of MEA/BPP, in 1/2 Hz technology. At present these lines are accelerated to 1 Hz technology. With these systems you can produce at least 50,000 stacks at 300-400 cells per stack per year.

Our solution

- MEA/BPP adjustment + fitting unit
- Stacking mechanical alignments
- Stacking camera aided alignment
- Pressing
- Leaktest stack
- Fixing stack (weld lashing belt or bolt)
- Assembly housing + Leak testing
- HV Test
- Manual assembly aids
- Leak testing+ EOL stack, conditioning
- Final assembly
- EOL complete system



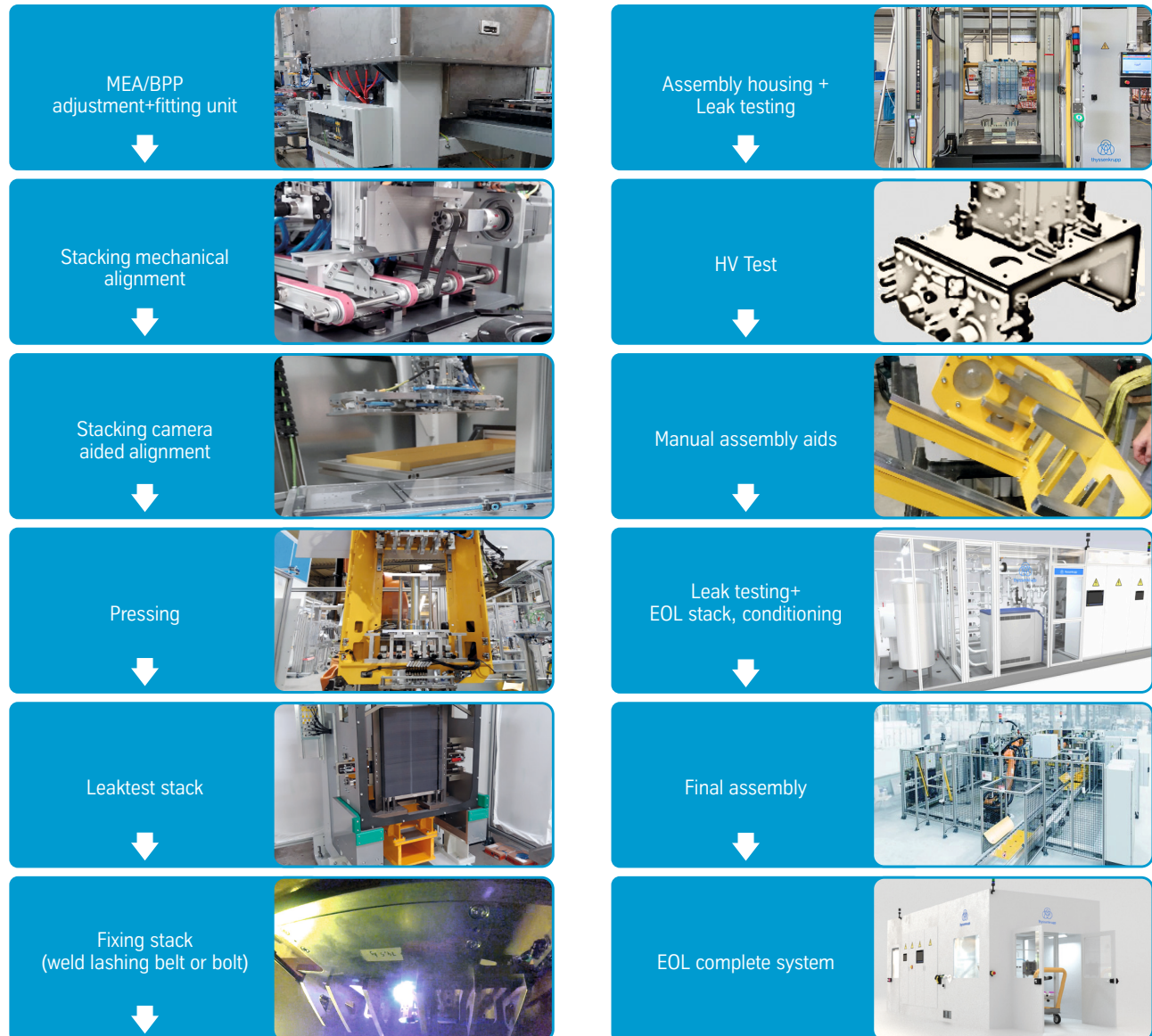
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Our solutions



What can we offer?

- Stacking in "pick-and-place", or partly in the flow process in 1Hz-technology

What are we working on?

- Demonstrator
- Stacking in 5-10Hz-technology

What we stand for...

- expertise along the entire value chain of fuel cell manufacturing and testing
- Focus on quality and cost reduction
- Reliable turnkey production systems