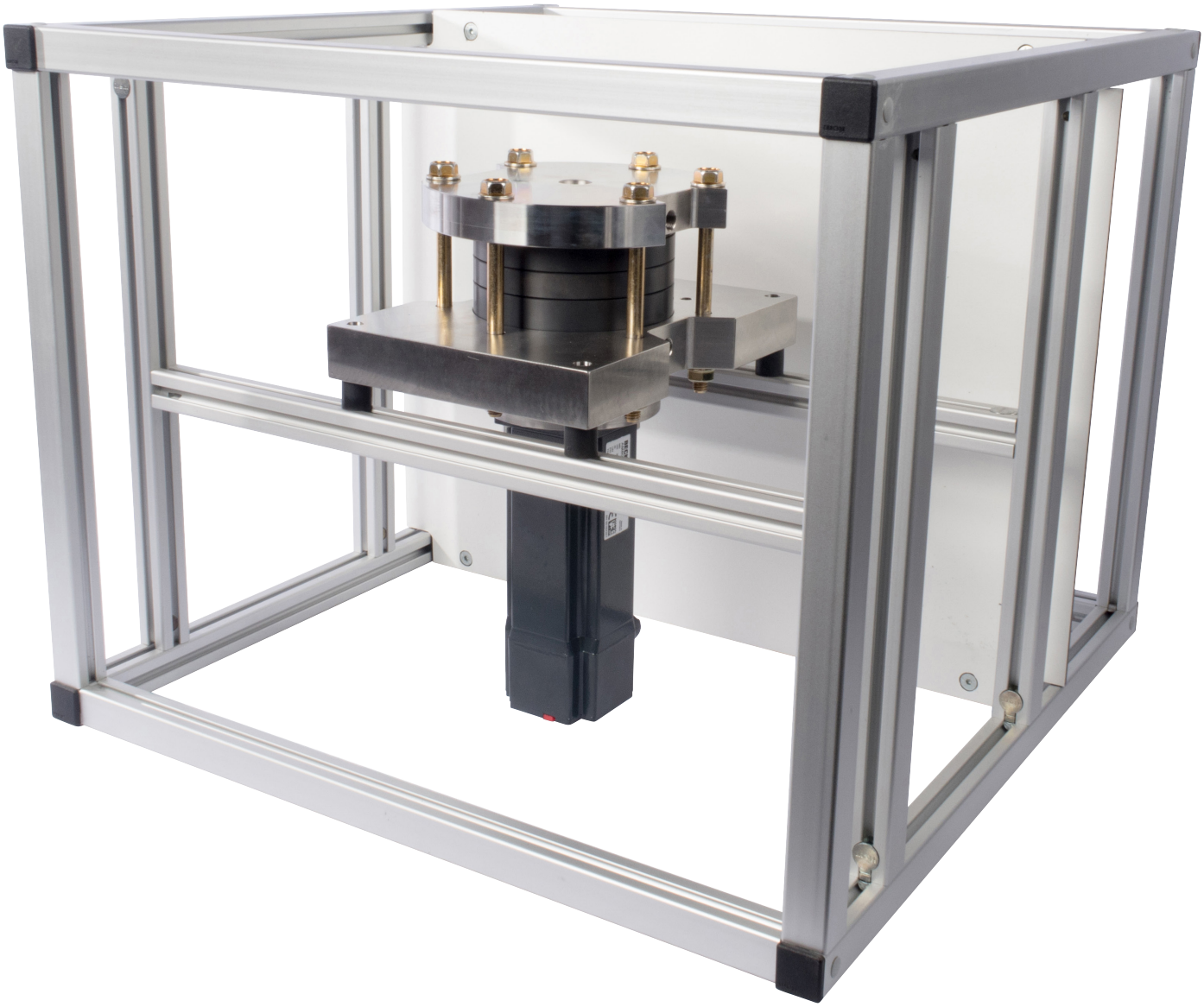
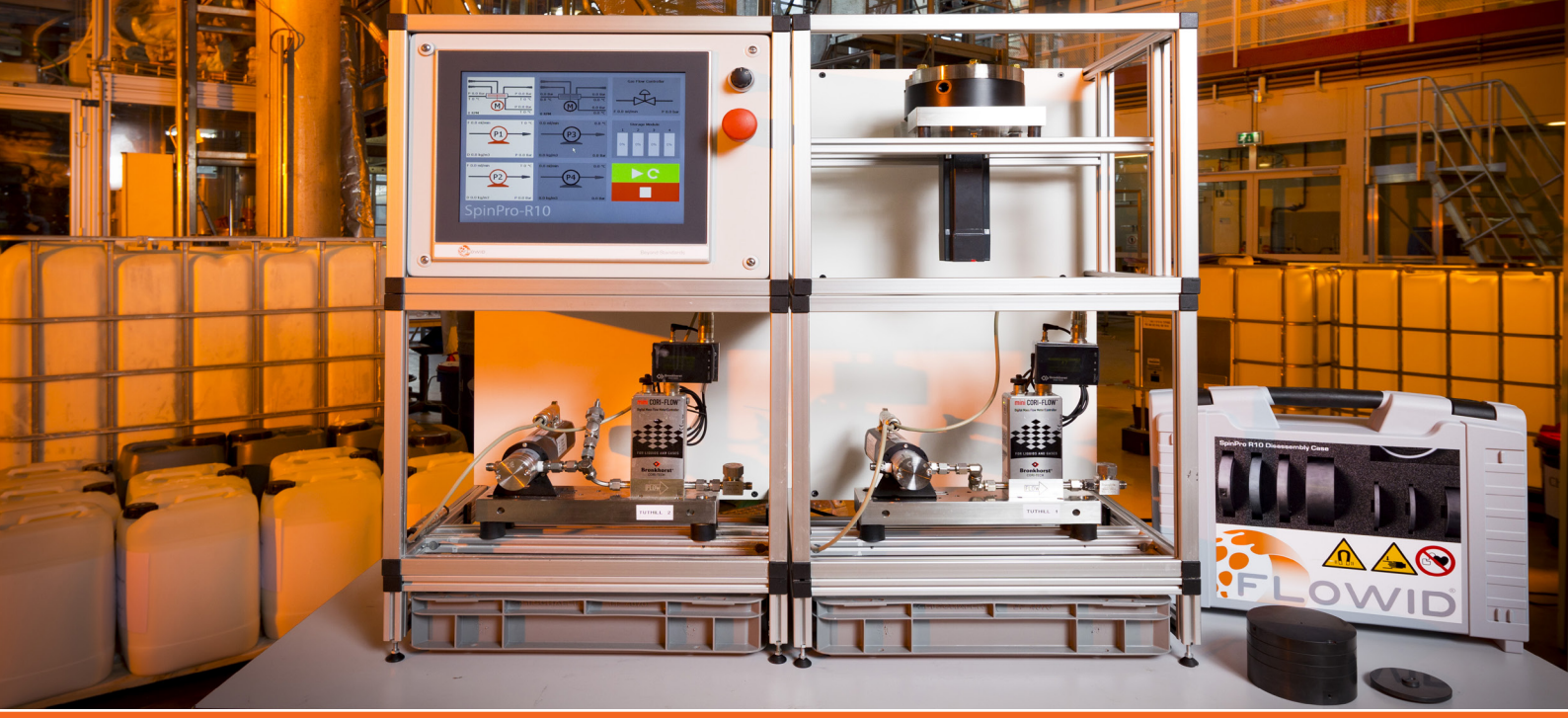
FLOWID®

SpinPro R10





SpinPro R10 Reactor

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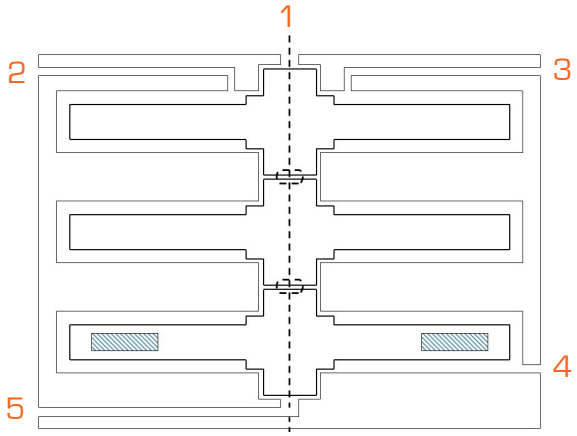
SpinPro R10 Reactor

The SpinPro technology is well suited for multiphase chemistry. liquid/gas, liquid/liquid or combinations. It can also handle precipitations. SpinPro technology is also excellent for controlled emulsification.
The SpinPro R10 is able to intensify the process by using elevated temperatures and pressures, combined with enhanced mass and heat transfer compared to conventional reactor technologies.
The SpinPro R10 is our smallest continuous three-stage silicon carbide reactor, linear scalable to the industrial SpinPro R300 for increased throughput.

Key features

- Excellent mass transfer
- Excellent heat transfer
- Economic and safe operation due to low reactor volume
- Independent control over mixing intensity & residence time



With SpinPro technology more efficient and safer process conditions are met, investments (CAPEX) can be reduced significantly. In most applications we see a significant decrease in operational costs (OPEX), due to the higher efficiencies and less workup of the product. Additional advantages are easy shut down, cleaning and start-up.

SpinPro R10 Reactor Specifications

- Pressure: up to 10 Bar
- Temperature: -20 to 160°C
- Reactor volume: 3 stages, 19 mL total volume