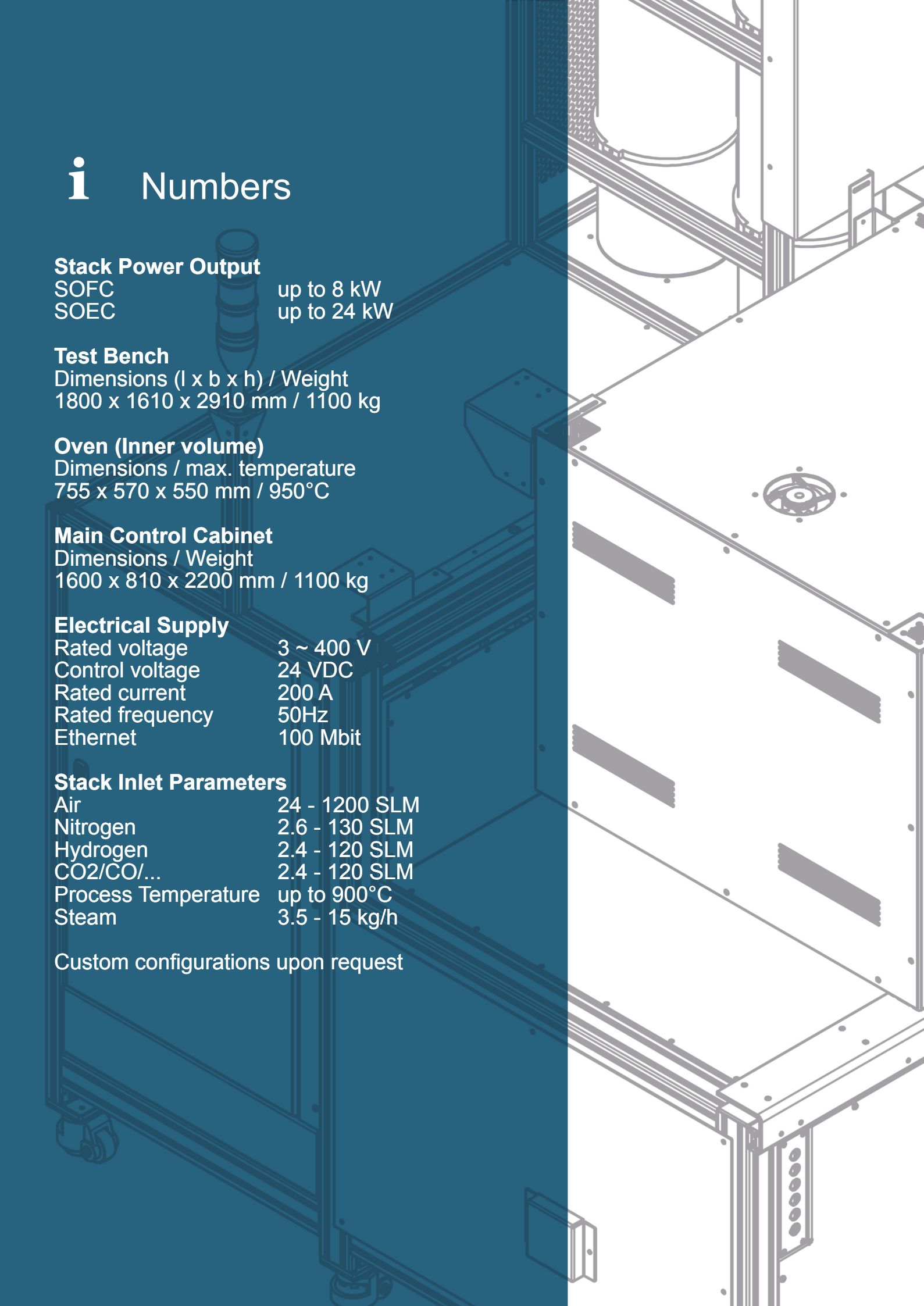


SOC TESTBENCH





i Numbers

Stack Power Output

SOFC
SOEC

up to 8 kW
up to 24 kW

Test Bench

Dimensions (l x b x h) / Weight
1800 x 1610 x 2910 mm / 1100 kg

Oven (Inner volume)

Dimensions / max. temperature
755 x 570 x 550 mm / 950°C

Main Control Cabinet

Dimensions / Weight
1600 x 810 x 2200 mm / 1100 kg

Electrical Supply

Rated voltage	3 ~ 400 V
Control voltage	24 VDC
Rated current	200 A
Rated frequency	50Hz
Ethernet	100 Mbit

Stack Inlet Parameters

Air	24 - 1200 SLM
Nitrogen	2.6 - 130 SLM
Hydrogen	2.4 - 120 SLM
CO ₂ /CO/...	2.4 - 120 SLM
Process Temperature	up to 900°C
Steam	3.5 - 15 kg/h

Custom configurations upon request

Customizations

Compression system

Force	up to 6kN
Compression	up to 20mm
Temperature	up to 900°C

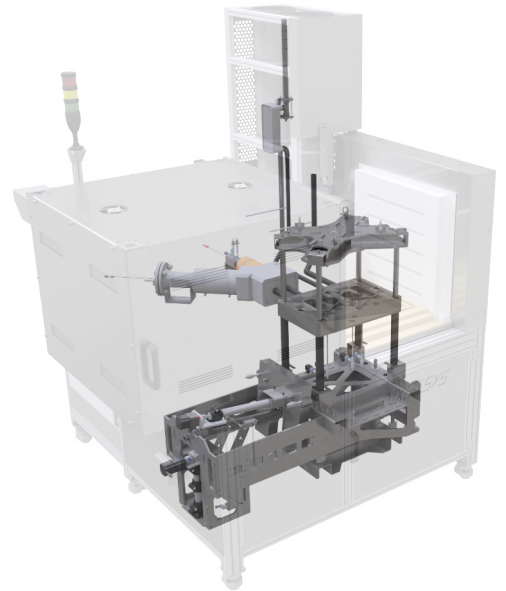
- Constant force by design
- Motorization and automation possible
- Force monitoring on 4 edges

Interchangeable stackplate

max. Stack Size	230x400x485 (LxBxH)
with compression	230x400x365 (LxBxH)

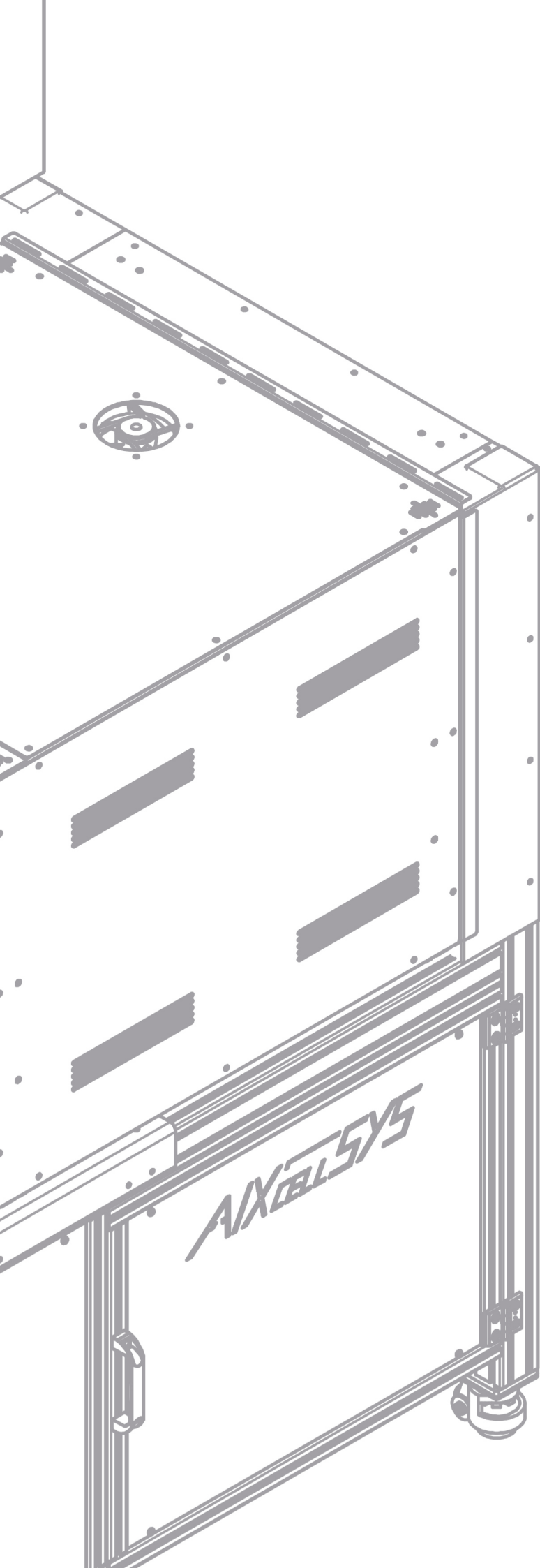
- Pressure and temperature monitoring at stack Inlets and outlets
- Enhanced maintainance and service capabilities
- One test bench fits "all"

Also available as stack joining machine and ready for hardware in the loop testing.









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