



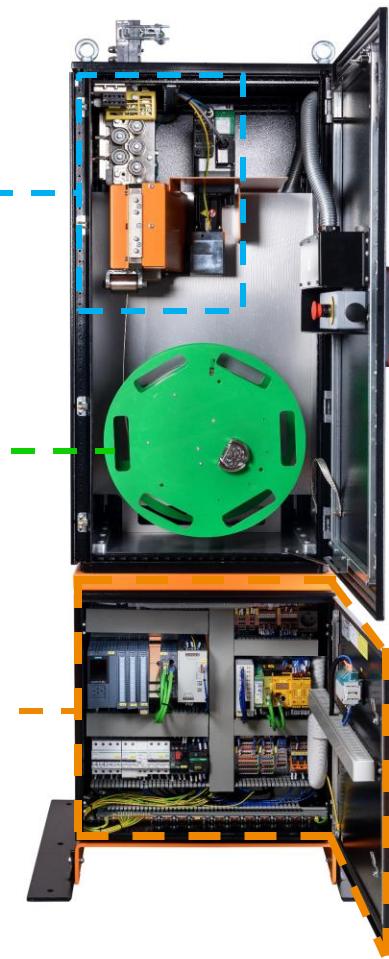
CHAMELEON® FOUNDRY – DESIGN



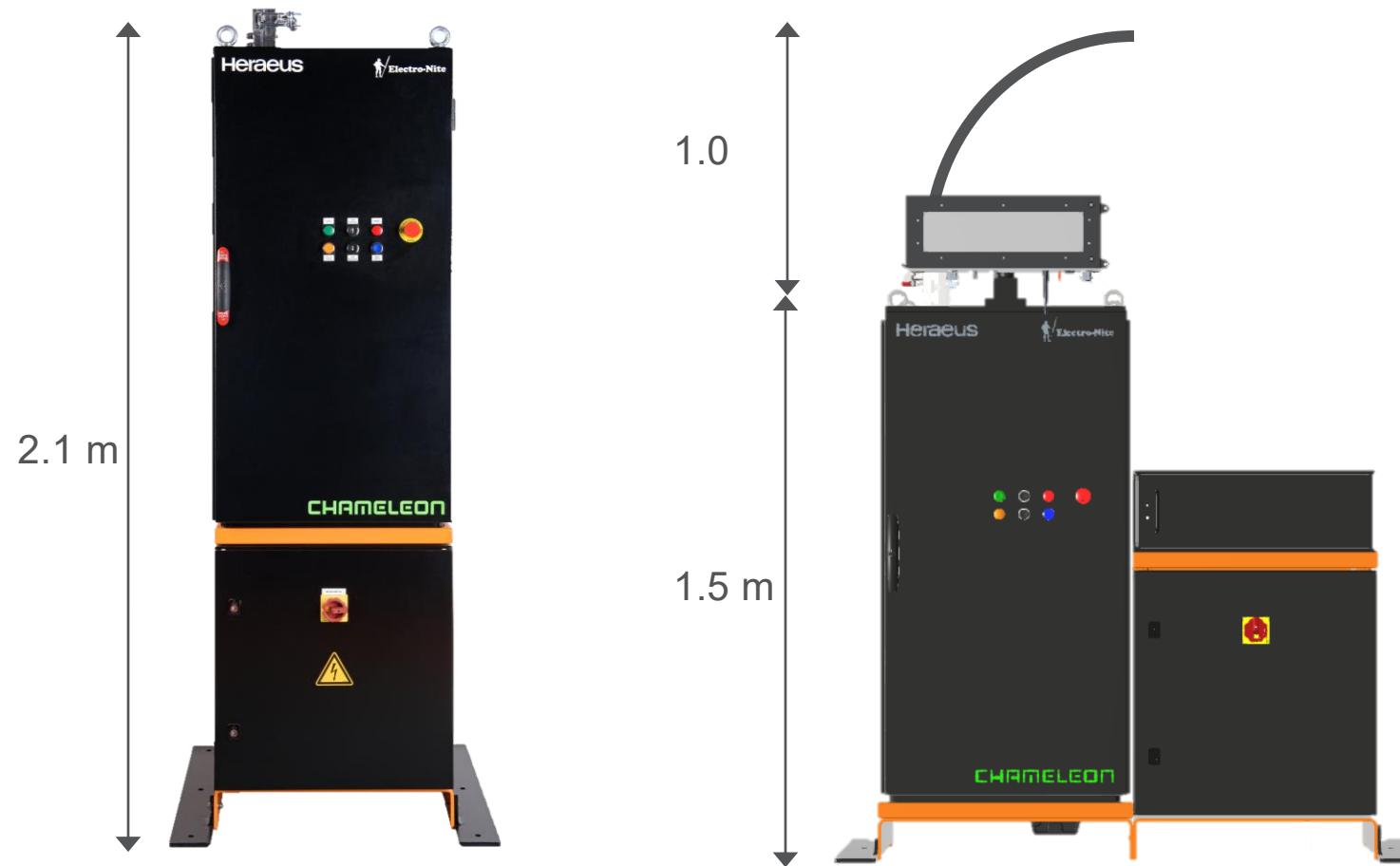
Drive

Coil /
Consumables

Control unit



CHAMELEON® FOUNDRY – DESIGN

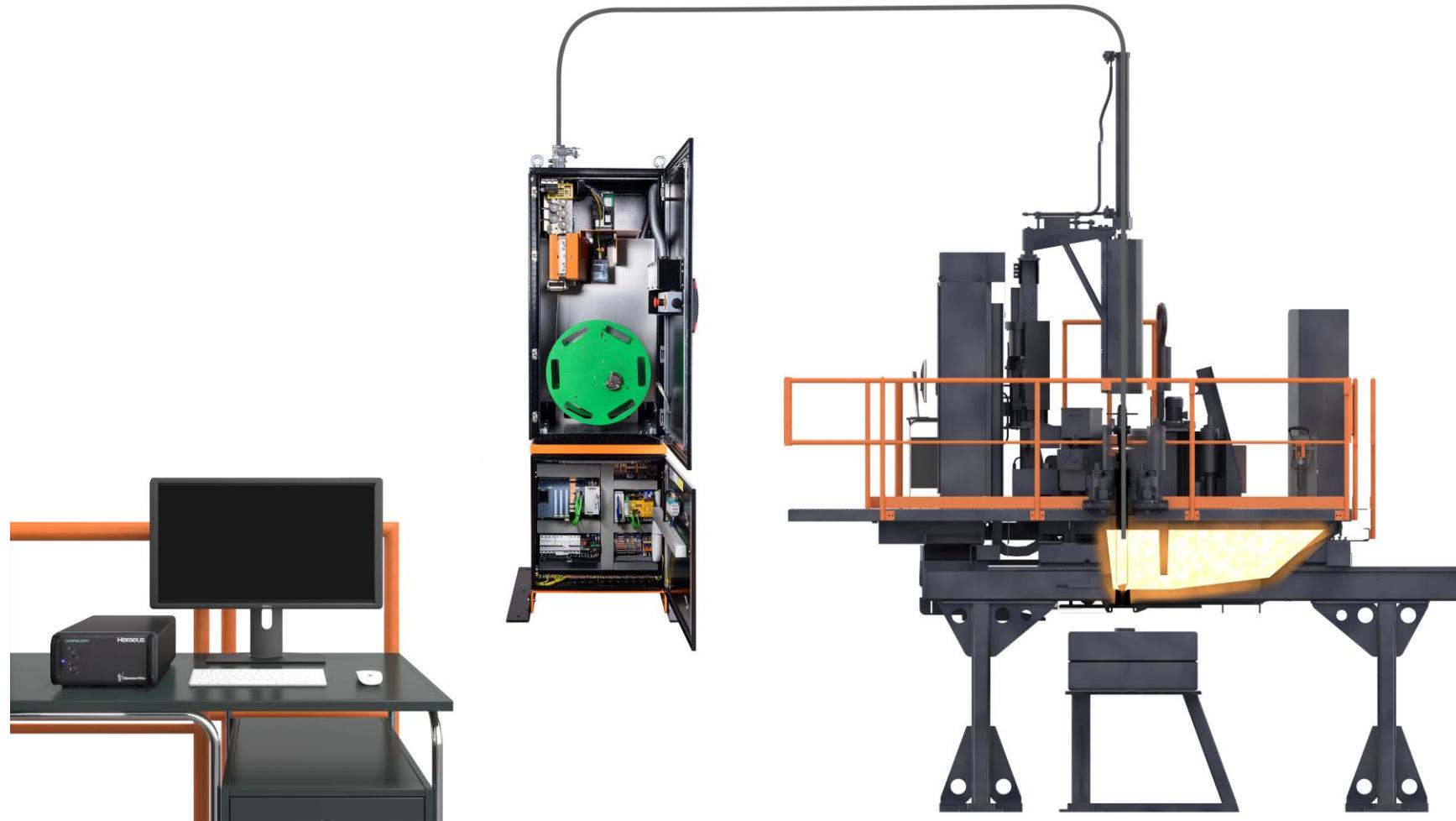


CHAMELEON® FOUNDRY – COIL / CONSUMABLES

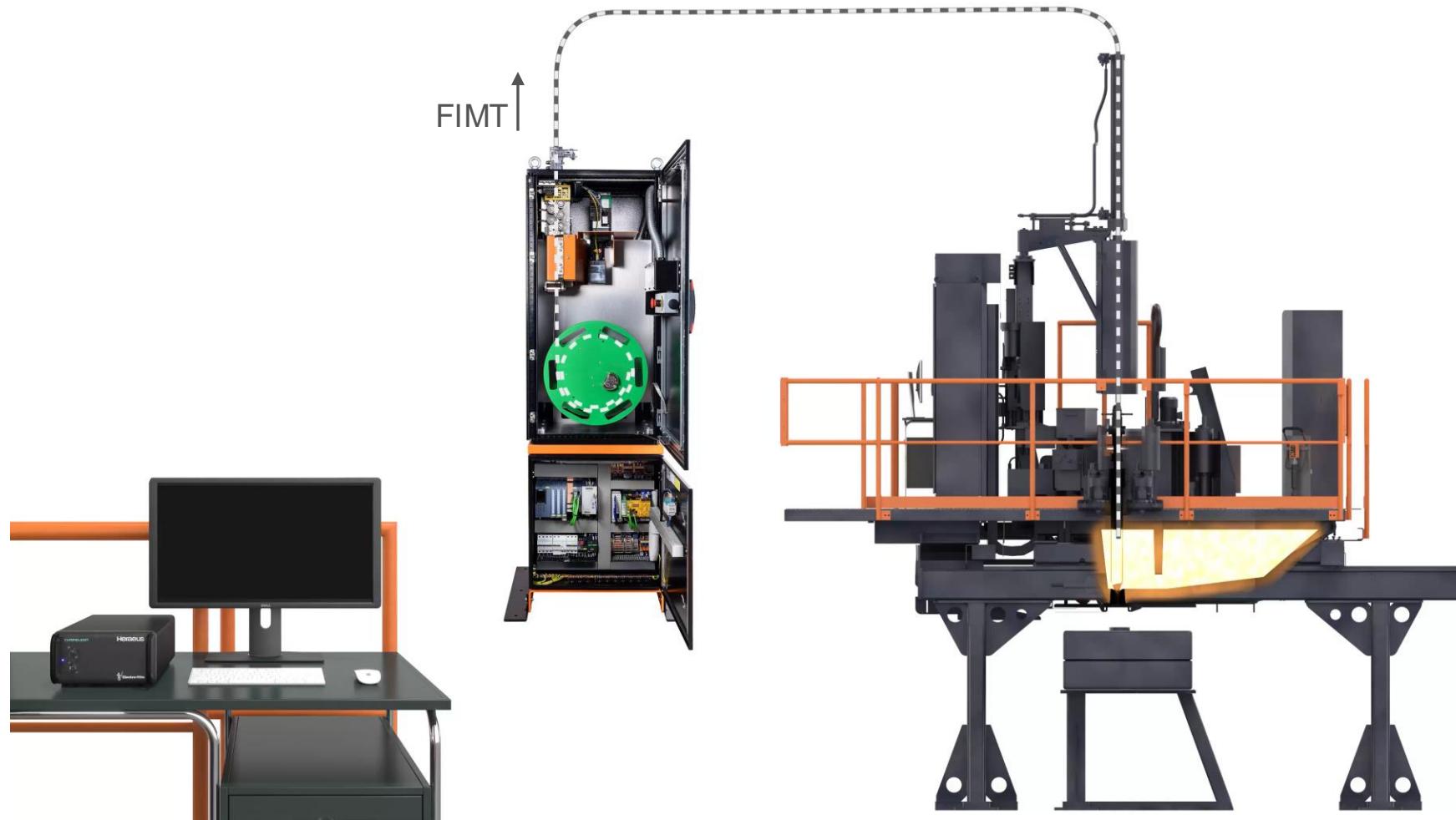
- Weight: 25 kg
- FIMT (fibre in metal tube)
 - Ø 4.3 mm
 - 600 m per coil
- Pyro box
 - Calibration by Heraeus Electro-Nite
 - Plug-and-measure system
 - Reusable up to 10 times
- Consumption
 - Approx. 10 cm per measurement
(depending on the application)



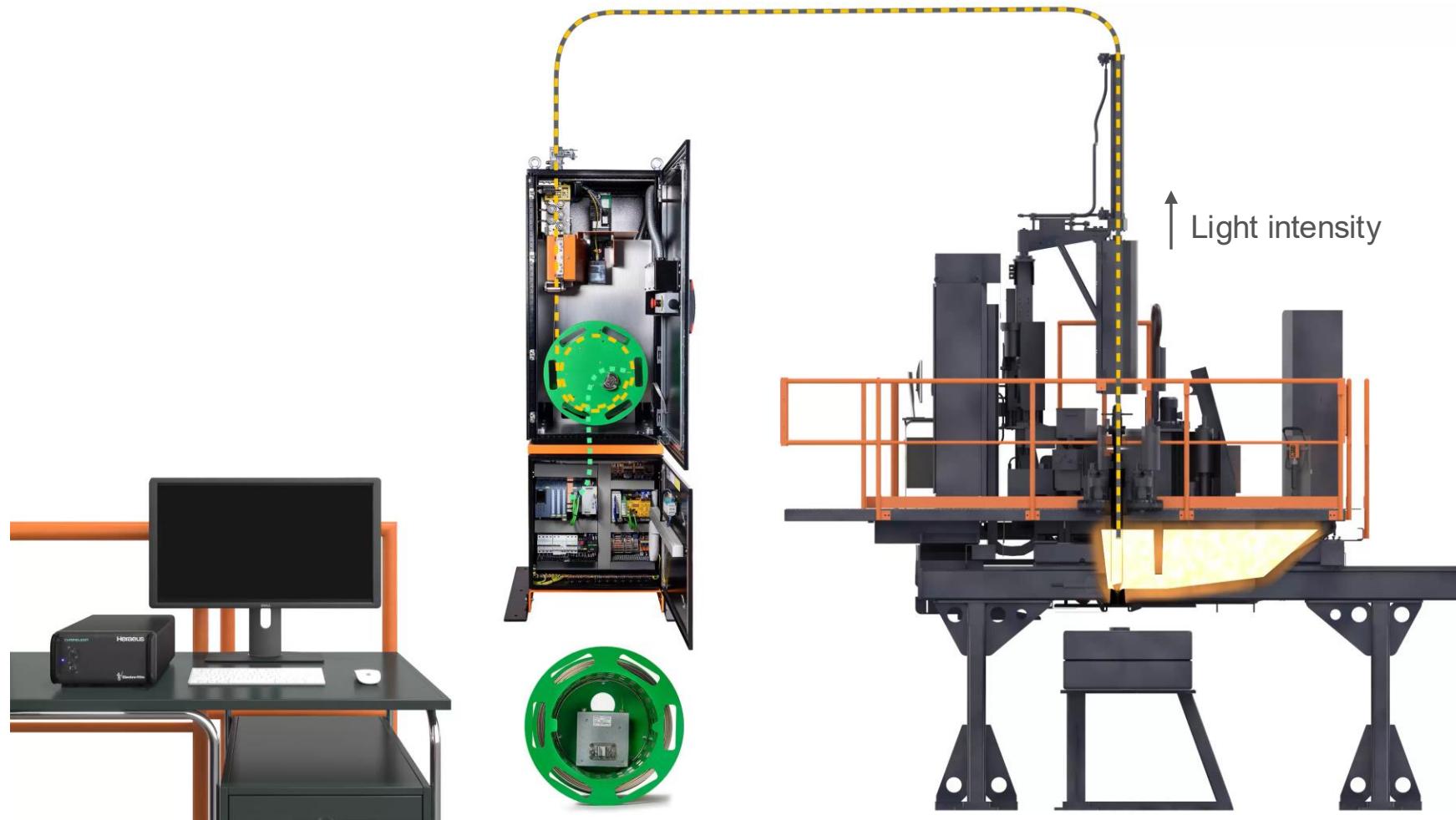
CHAMELEON® FOUNDRY – WORKING PRINCIPLE



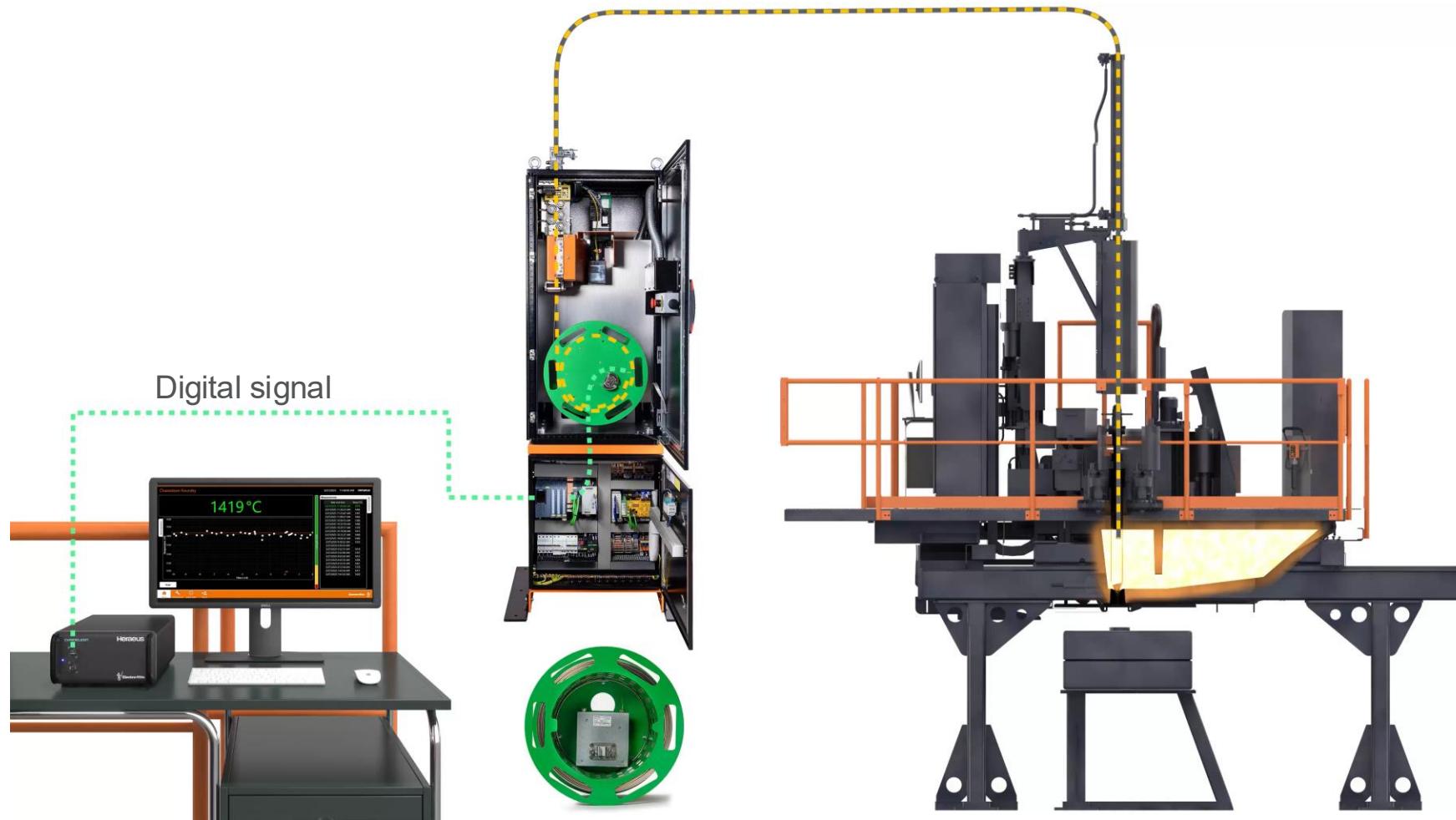
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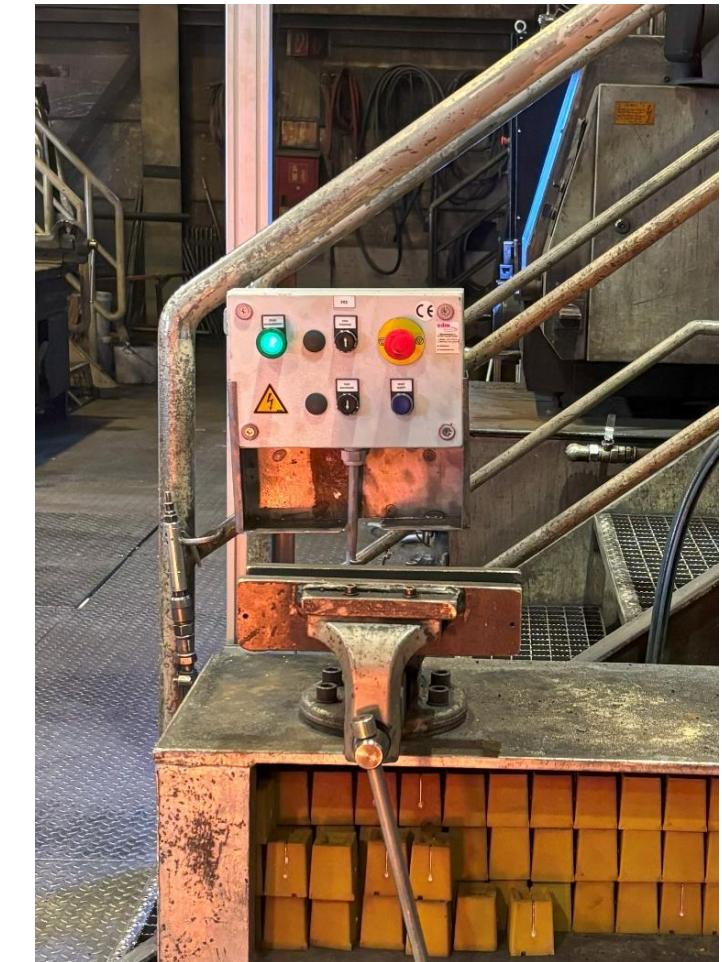
CHAMELEON® FOUNDRY – CUSTOMER TRIALS



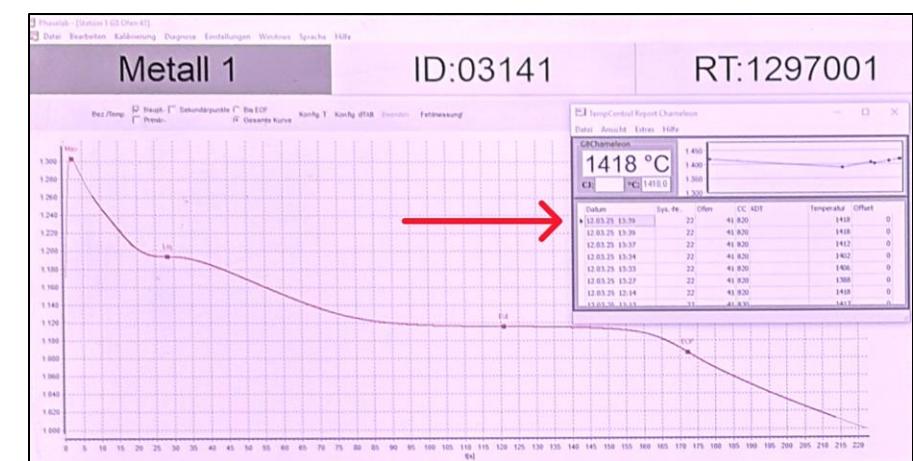
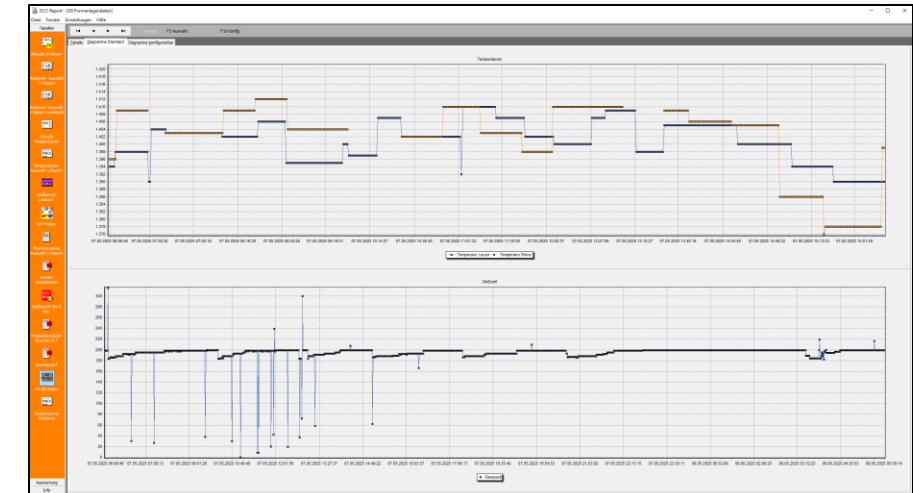
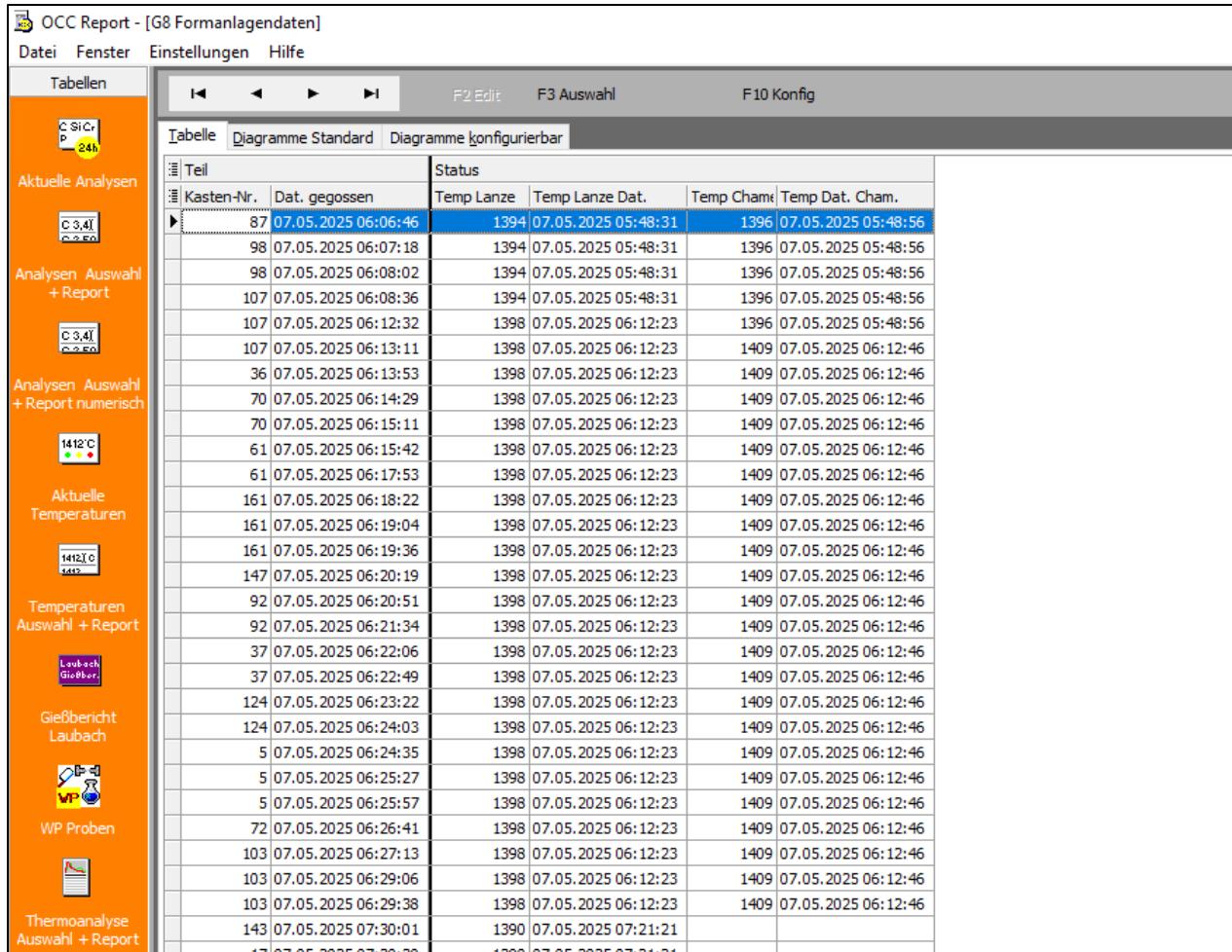
CHAMELEON® FOUNDRY – CUSTOMER TRIALS



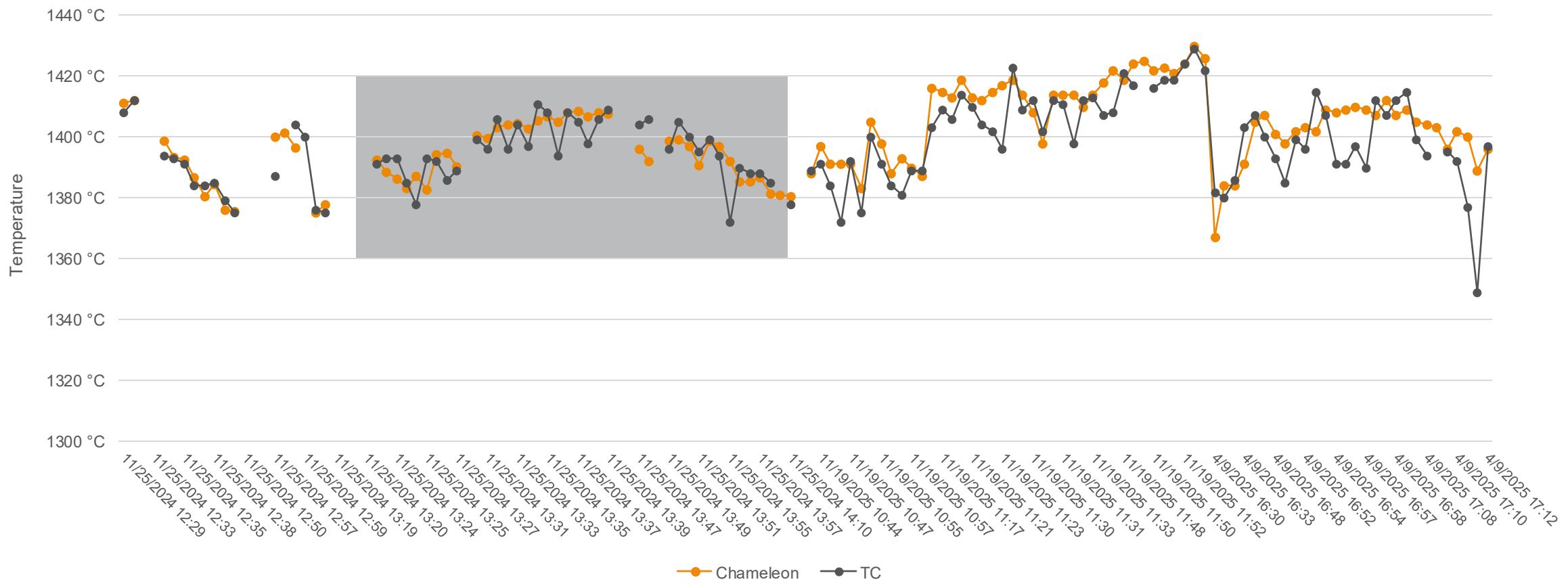
CHAMELEON® FOUNDRY – TRIAL SETUP AT FRITZ WINTER (GERMANY)



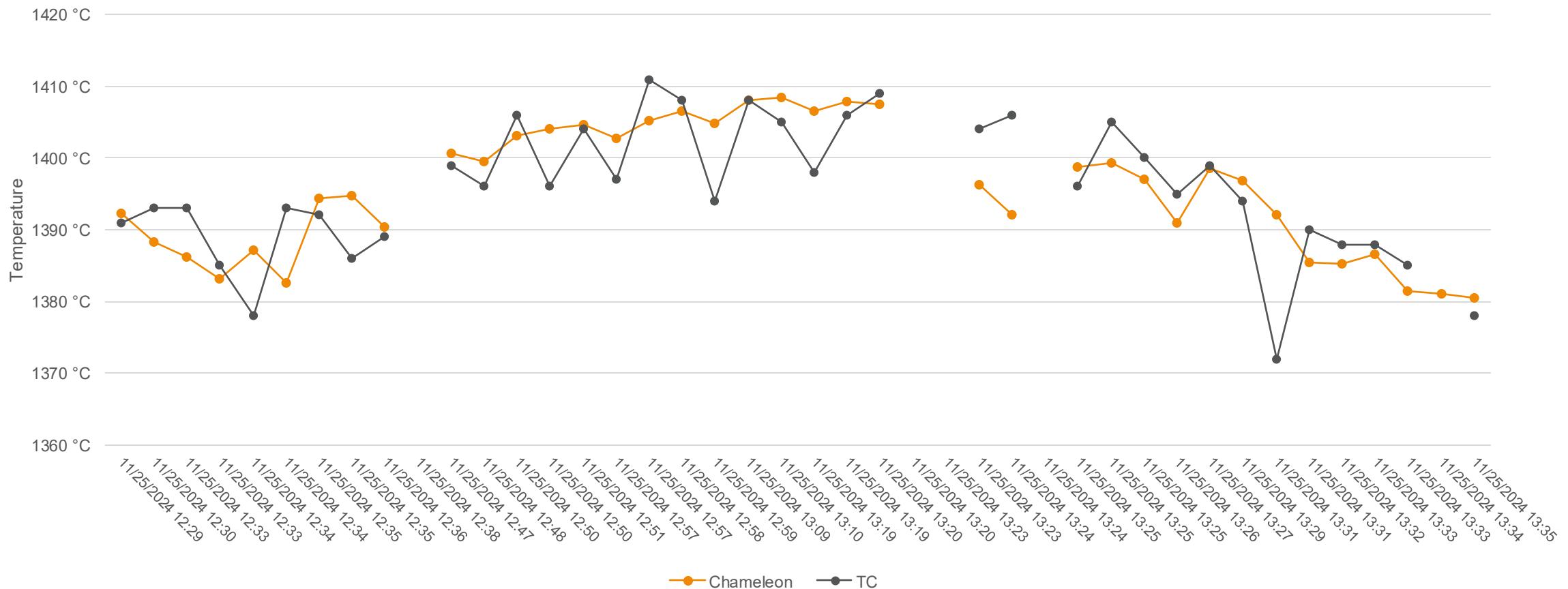
CHAMELEON® FOUNDRY – SOFTWARE INTEGRATION AT FRITZ WINTER (GER)



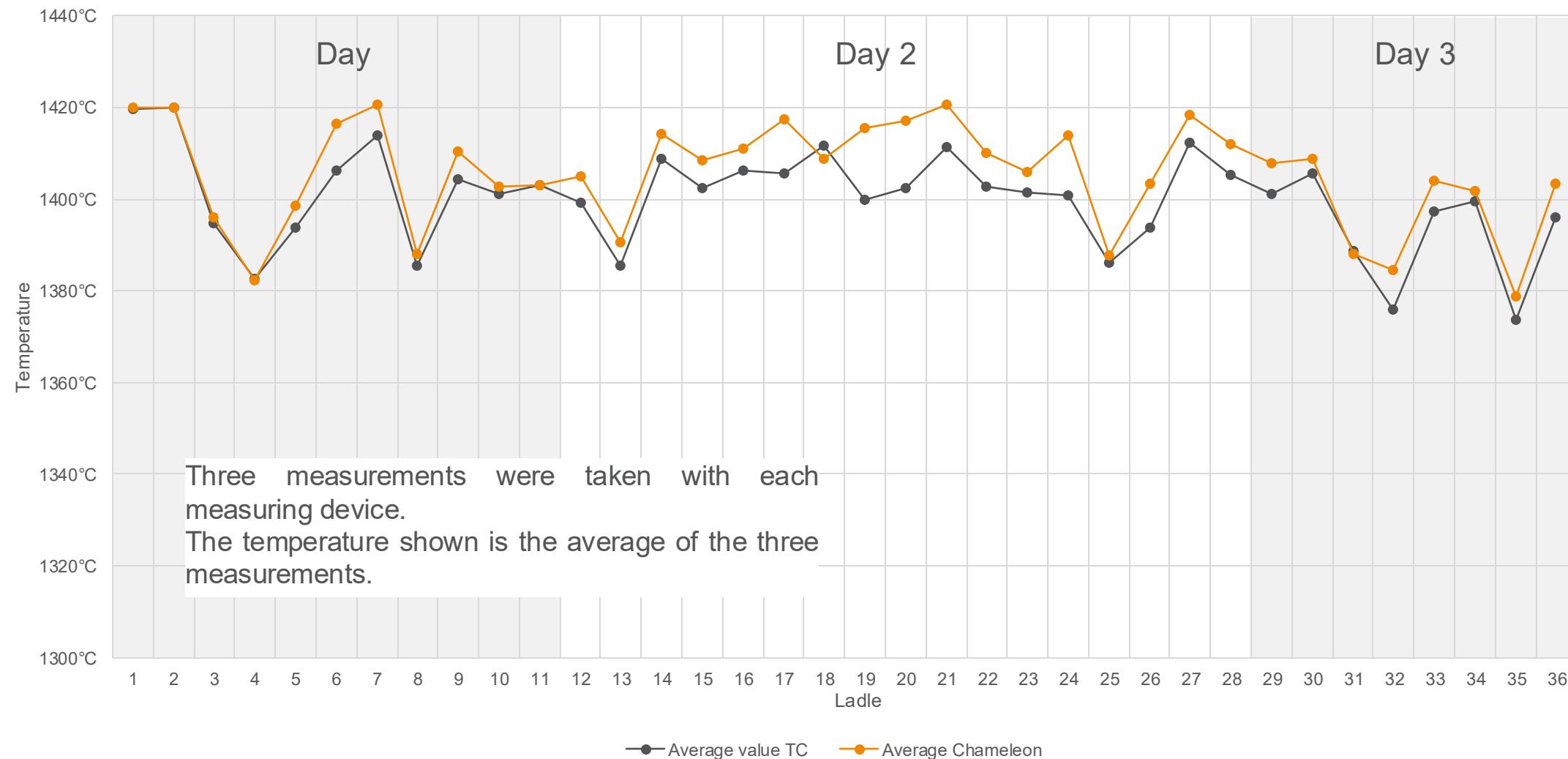
CHAMELEON® FOUNDRY – COMPARATIVE MEASUREMENTS



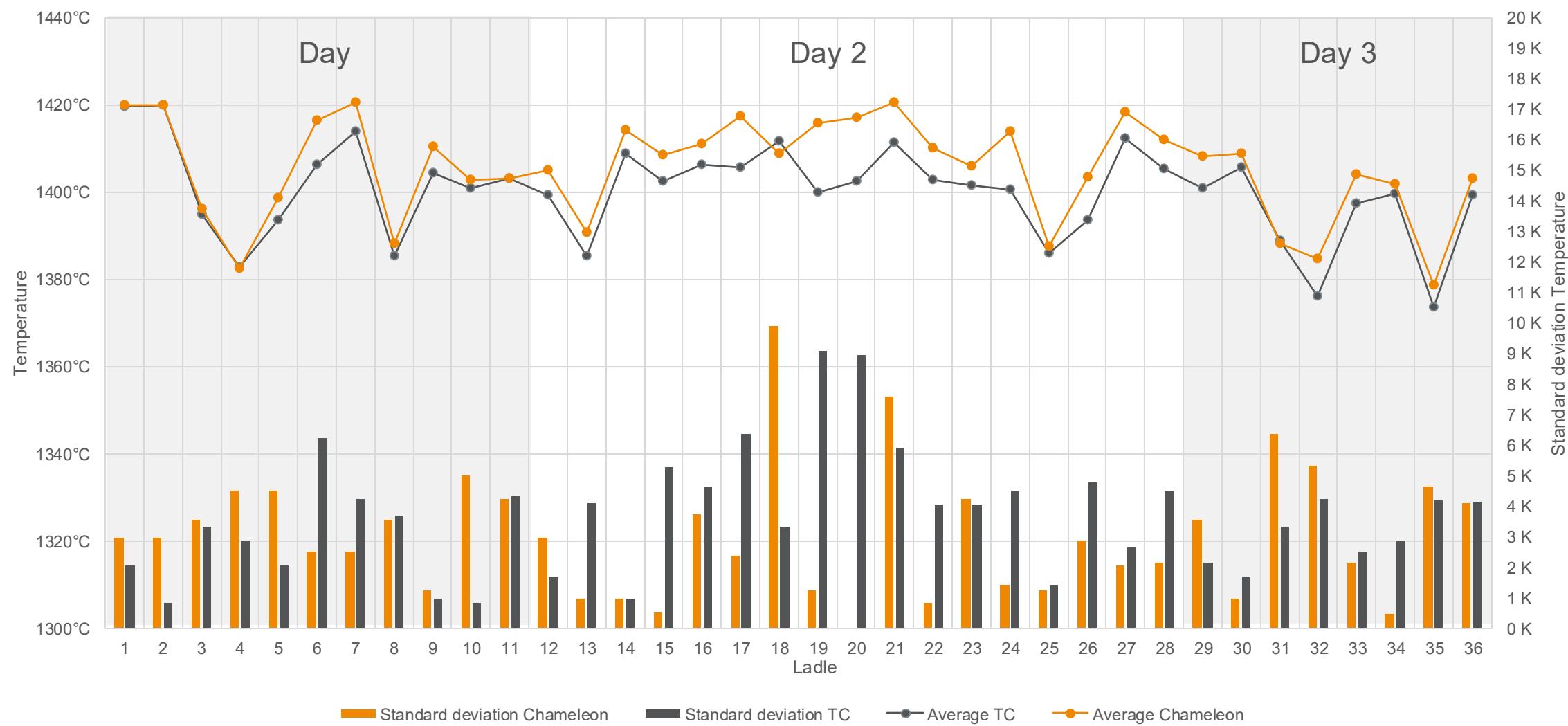
CHAMELEON® FOUNDRY – COMPARATIVE MEASUREMENTS



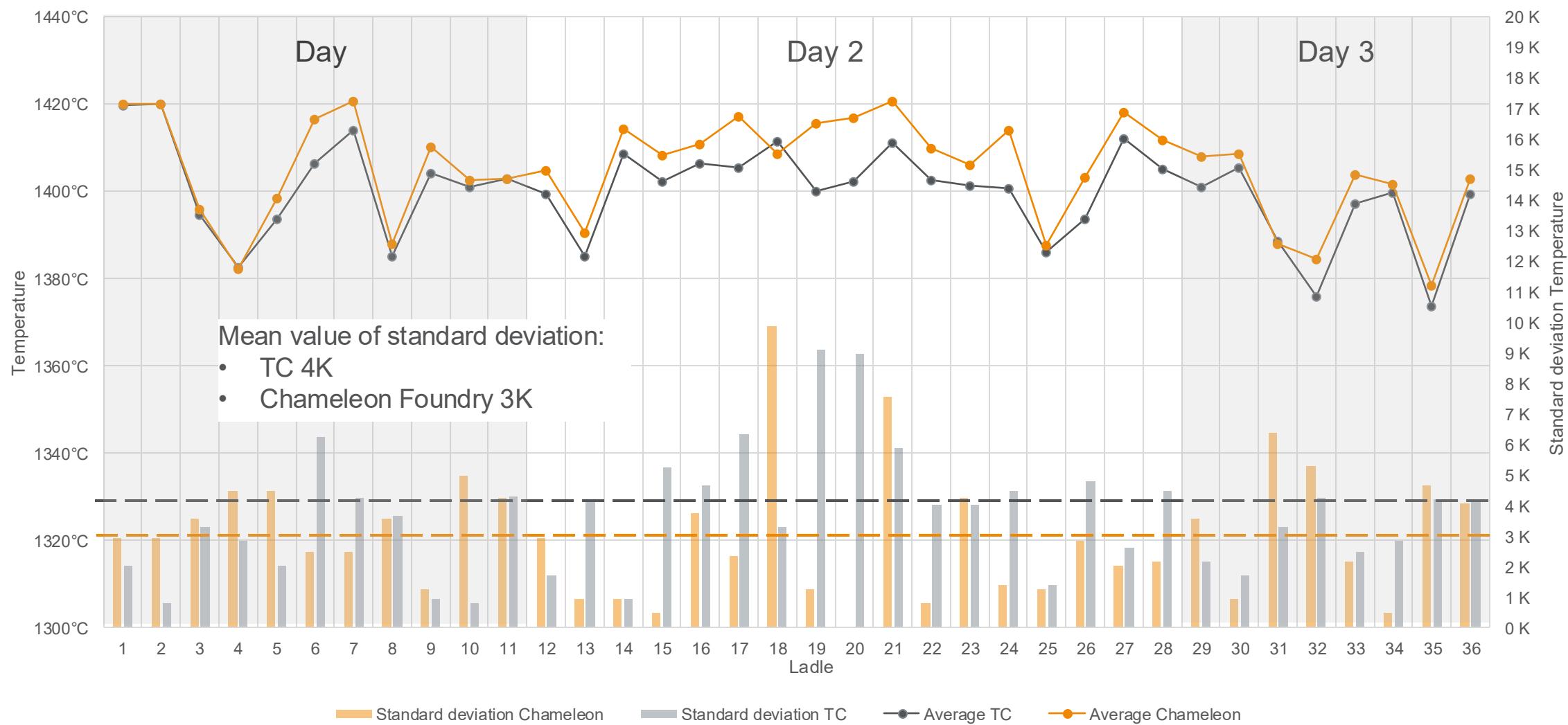
CHAMELEON® FOUNDRY – COMPARATIVE MEASUREMENTS



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CHAMELEON® FOUNDRY – COMPARATIVE MEASUREMENTS



CHAMELEON® FOUNDRY – VERSUS THE HANDHELD MEASURING LANCE

Improved safety

- ✓ Shorter dwell time at the melt
- ✓ Reduction of hazards
 - ✓ from splash iron
 - ✓ from combustion at measuring lances

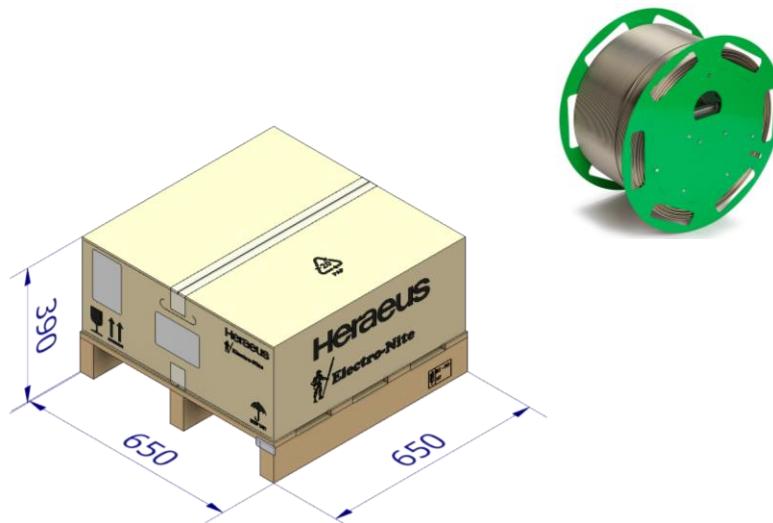
Efficiency optimisation

- ✓ Less effort required for:
 - ✓ procurement/logistics
 - ✓ Set-up times
 - ✓ Inspection/calibration
- ✓ Automatability
 - ✓ Reduction of human error
 - ✓ Better temperature control
- ✓ Faster measurement results

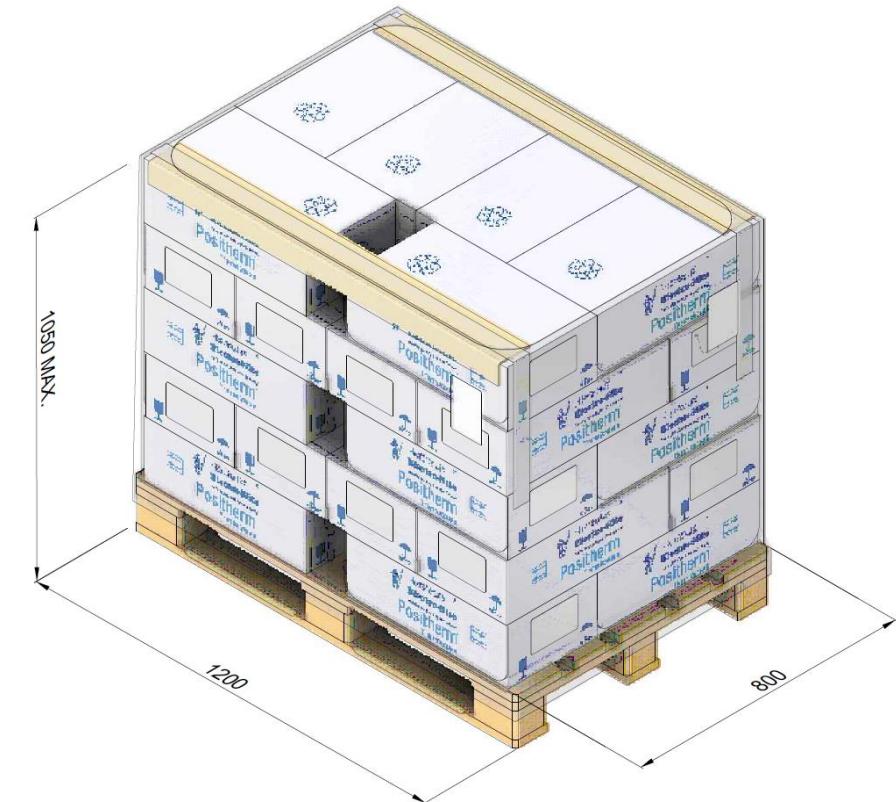
Reduction of emissions

- ✓ CO2 emissions - 75%

CHAMELEON® FOUNDRY – CONSUMABLES CHAMELEON VS. TC



Coil dimensions	Ø460 x 250 mm
Measurements	≈ 6.000



TC type	400 mm non-splash
TC's (= measurements) per pallet	840 pcs.

CHAMELEON® FOUNDRY – POTENTIAL APPLICATIONS



CHAMELEON® FOUNDRY – SYSTEM OVERVIEW



Thank you for your attention!