

Case Study

weisstechnik and testing large and heavy test specimens using air-ice water thermal shock

WHY

To test the influence of temperature shocks on the functionality of large and heavy test specimens

HOW

Overhauling the existing testing chamber

WHAT

Weiss air-ice water thermal shock cabinet TS 215/0-180-AS

WHY - The challenge

Specialised customer requirement for large, heavy test specimens that cannot be handled by the standard equipment (since it is too small and cannot move the weight).

HOW - The idea.

Re-develop the existing testing chamber for this specialised application.



Standard testing chamber

weisstechnik and testing large and heavy test specimens using air-ice water thermal shock

WHY

To test the influence of temperature shocks on the functionality of large and heavy test specimens

HOW

Overhauling the existing testing chamber

WHAT

Weiss air-ice water thermal shock cabinet TS 215/0-180-AS

WHAT - The solution

Re-design the testing chamber based on the standard TS 60/0-180-AS

Side effect: Expansion of the product portfolio for air-ice water shock testing equipment

Selected product: TS 215/0-180-AS

Modifications made

- Test material carrier instead of test material basket ensures better, simpler and more ergonomic fitting
- For test materials up to max. 85 kg and max approx. 550 x 350 x 550 mm (W x D x H)
- Drive speed selected to ensure complete immersion in the time $t \leq 5$ s

