

**rineck**  
• Werkzeugtechnik

Perfect  
**shrinkage technology**

combined with innovative

**technology**

and ergonomic

**design**

 **Induktherm**

rapid shrink II VCS

+ elevator cool technology



Suitable for tools of

Ø 3 to 32 mm

Ø 1/8" to 1.1/4"

Certified for American 480 volt Electrical Standards

TOOLS ARE OUR PASSION | MADE IN GERMANY

Only he who wants to become increasingly better remains good. We at Rineck place great value on new things, without forgetting the well-proven old things. Innovation and development --- daily our thinkers consider how to offer our customers the optimal solution and how to make the tried and tested shrinkage technology even better.

Precise shrinkage connections are the basis for functionality and problem-free handling: with the shrinkage device

**Induktherm rapid shrink II VCS** with the patented **Elevation-Cooling-System**

from the company Rineck – **no problem.**

## Induktherm rapid shrink II VCS

The induction generator and the induction coil are de-signed for continuous operation. All accessories have a fixed place at the device so that orderliness and ease of operation have a high significance in the working area.

Because of the logical positioning of auxiliary applian-ces at the device and an intelligent software control, it is very easy for everyone to quickly become familiar with the conversion of one to the other shrink chuck and/or tool diameter. The inductor has been designed in connection with the generator so that HM tools with shafts of diameter 3 to 32 mm and HSS tools of diameter 6 to 32 mm can be fitted easily and without problems.

The chuck which is to be shrunk is placed in the clamp. SK 50 and HSK 100 directly, all other conical shaped ones requiring reducing-adapters. The induc-tor housing, fitted with the necessary screening ring, is brought up to the chuck.

At the operating panel, and using the arrow keys on the keyboard, the tool mating is selected, that is to say for the chuck diameter and the different instep shafts (DIN-chuck, 3° of standard measure chuck and/or 3° of super slender chucks) to be shrunk are selected accor-ding to the necessary energy supply and heating time.

After pressing the "start" button, the chuck is heated with the necessary and the tool is inserted. The heating times are between 3 and 9 seconds, in each case resul-ting from the corresponding energy supply. The proce-dure is similar by removal of tools.

Induktherm rapid shrink II VCS	
Performance	10 kw
Measurements (mm)	B 680 x T 520 x H 1600
Weight	88 kg
Power supply	600 volt
max. chuck length	400 mm
HM-shafts	ø 3 – 32 / 1/8" - 1.1/4"
HSS-shafts	ø 6 – 32 / 1/4" - 1.1/4"

**Induktherm rapid shrink II VCS**

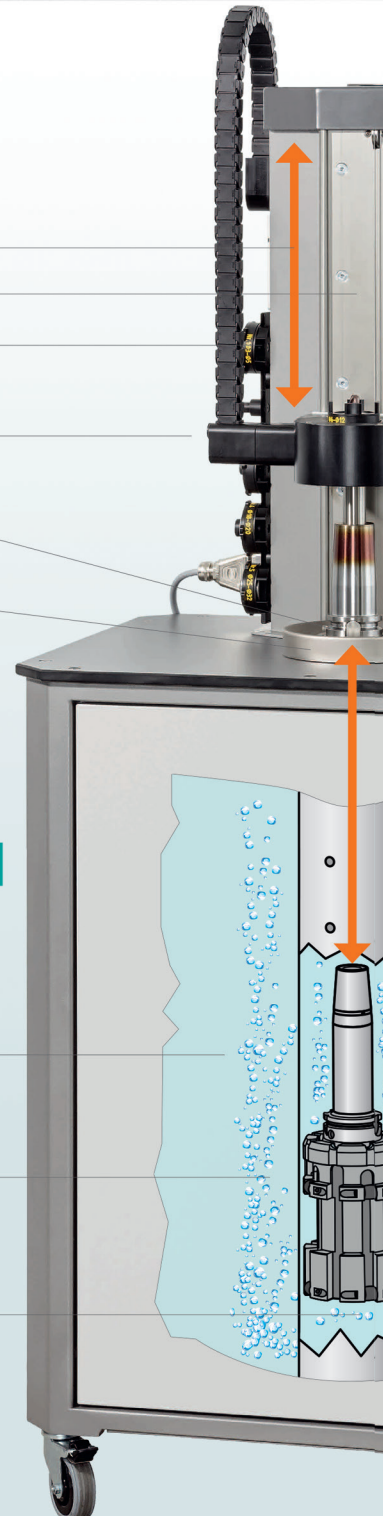
- Hub
- Inductor guide
- Screening rings
- Inductor with cable drag
- Reducing-adapter (in the forms: HSK100 / HSK63)
- Basic insert HSK100 / SK50

**Elevation Cooling System**

(max. chuck size: HSK100/SK50/BT50)

**Artikel-Nr. 990-020**

- Transparent cooling emulsion
- Blowing-in of air during the cooling phase
- Elevation shift system



**Certified for American 480 volt Electrical Standards**



Artikel-Nr. 990-019CS

**Operating panel:**  
Display

Start/stop  
Chuck pre-selection  
Cooling key

Hub brake

Main switch

Tools compartment

## Screening-rings

The screening-rings of a specific sinter material are used for the optimal energy flux direction e.g. during the shrinkage of HSS tools.

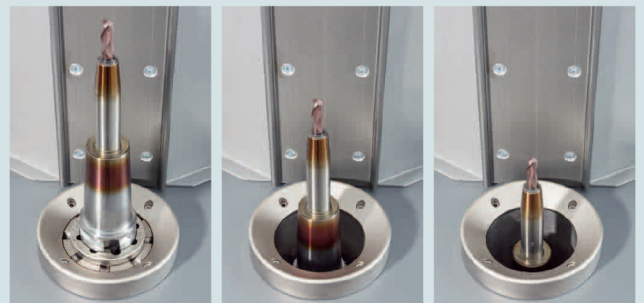


No.	Diameter	Article No.
1	ø3 – ø5	990-605
2	ø6 – ø12	990-612
3	ø14 – ø16	990-616
4	ø18 – ø20	990-620
5	ø25 – ø32	990-632

## Elevation Cooling-system

After completion of the heating phase, the cooling of the hot chuck by moving it into the cooling tank is initiated by pressing the "cooling" button. After the cooling time is finished (determined by the control unit according to volume measure), the cooled chuck is raised and can be safely removed. The cooling times can vary between 15 and 50 seconds depending on the mass of the chuck which must be chilled. (Tank contents: 60 litres of cooling emulsion)

The useful life of the cooling emulsion is dependent on the degree of pollution and normally it lasts for three to four months. Old emulsion is disposed of as special waste. The pumping out of the cooling emulsion happens by means of an electrical dredging pump attached on the back of the device in the cupboard interior.

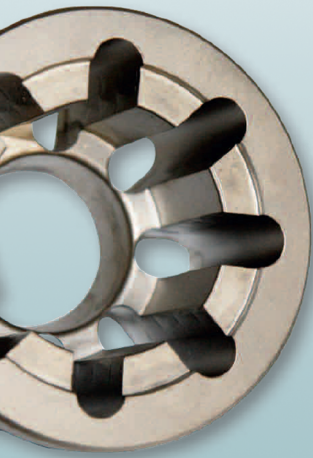


The chuck HSK 63 to be chilled being lowered.  
Cool time: 35 seconds.

## Optional extras

### Reducing-adapter

The adapter contained in the scope of delivery is suitable for the conical shaped HSK-63, SK40, BT40 and PSC 63 (Article No. 990-354). All further adapters can be ordered under the below indicated article number.



Adapter for	Article No.
HSK-A80	990-356
HSK-63	990-354
HSK-A/E50	990-353
HSK-A/E40	990-352
HSK-A/E32	990-351
HSK-E25	990-350
SK40/BT40	990-354
SK30/BT30	990-355
PSC63	990-354

### Cleaning concentrate

5 Liter cans (one can included)  
FeroClean 22 DGI

Art.-Nr. 990-397



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