



Art.-No.: 990-012CS

#### **Technical data**

Power:	10kw
Size (mm):	B880 / D530 / H1550
Weight:	80kg
Supply:	400V / 50Hz, 20A

#### **Performance features**

- compact cabinet device
- integrated independent cooling
- max. chuck length: 400mm
- Ø 3-32 (HM shank)
- Ø 6-32 (HSS shank)

The induction generator and the induction coil are designed for continuous operation. All accessories have a fixed place on the device so that in the working area of the device, order and handiness have a high significance.

As a result of the sensible orderliness of the auxiliary appliances on the device, and thanks to an intelligent software control system, the changing from one to another shrinking chuck and/or tool diameter is quickly learnable even for a layman. The inductor in connection with the generator is so laid out, that tools with shanks of diameter 3 - 32 mm can be shrunk in and out without problems.

The chuck which is to be shrunk is placed in the gripper, SK50 and HSK100 directly, and all other cone geometries using compensation rings.

The inductor, equipped in each case with the necessary stop ring, is driven up to the chuck.

At the control console, the tool pairing which is to be shrunk is selected using the arrow keys of the touch-sensitive keyboard, that is to say the necessary energy supply and heating time is pre-selected for the chuck diameter and the different instep shanks (DIN chuck, 3 ° of standard measure chuck and/or 3 ° of superslender chucks) to be shrunk. After pressing the "Start" button, the chuck is heated up with the necessary energy and the tool is introduced.

The heating times are between 3 and 9 seconds, in each case supplied with corresponding energy.

After the warming process the Cool button (5) is pressed. The chuck is driven down into the cooling tank. After the cooling time has passed (15 - 50 sec., pre-selection with Timer 6), the chuck is driven automatically back up and can be taken away after the blow-off of the cooling medium.



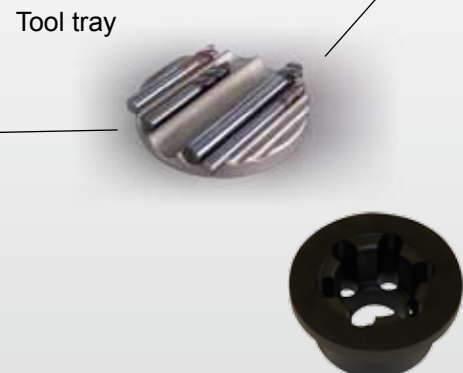
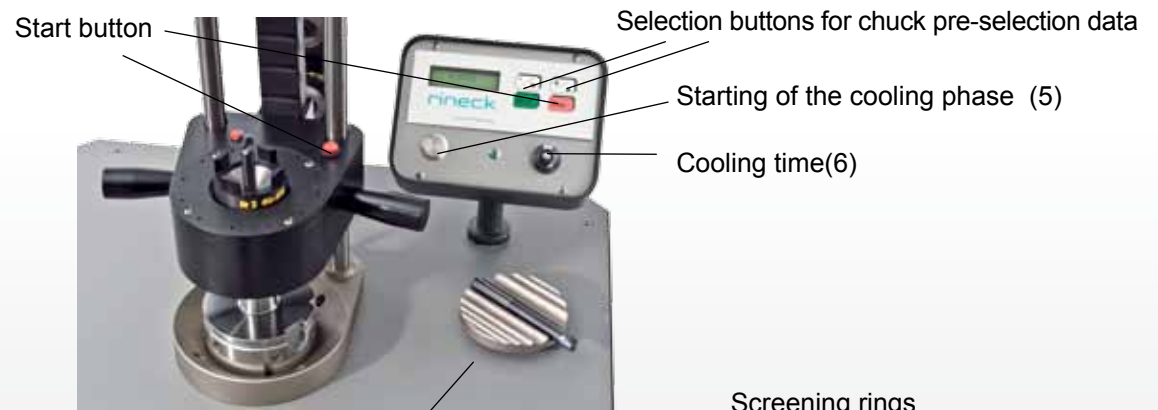
Basic gripper SK50, HSK100  
Quick-change adapter sockets for SK40 and HSK63 belong to the standard equipment.



Button for tank draining



Built-in tank draining pump for used cooling medium.  
To be disposed of as cooling emulsion.



Tool tray

Screening rings

- Ø3 - Ø5 Art.-Nr. 990-605
- Ø6 - Ø12 Art.-Nr. 990-612
- Ø14 - Ø16 Art.-Nr. 990-616
- Ø18 - Ø20 Art.-Nr. 990-620
- Ø25 - Ø32 Art.-Nr. 990-632

The screening rings made from a special sintered metal serve for the optimal energy flux direction by e.g. shrinking of HSS tools. Also these have of course a fixed place on the device. (Part of standard delivery.)

Quick-change adapter sockets

- |                   |           |         |
|-------------------|-----------|---------|
| HSK-A80           | Order no. | 990-356 |
| HSK-A/E63         |           | 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 |
| others on request |           |         |

Concentrated cleaner  
Art.-No.: 990-397



Protection gloves  
Art.-No.: 990-398



Universal shrinking aid  
Art.-No.: 990-399