



Universal Presetting, Measuring  
and Heat-Shrinking Machine

»redomatic«

ZOLLER »redomatic« is the universal presetting, measuring and heat-shrink machine with a unique automatic length adjustment device. Especially designed for heat-shrinking of tools to nominal length while at the same time presetting and measuring tools of all kinds. With the automatic length adjustment device »ASZA« tools can be shrunk to at least  $\pm 10 \mu$  accuracy – quick, easy and automatic. You only need 5 seconds to heat-shrink and 30 seconds to cool a tool!



- ✓ 4-axis CNC control unit and autofocus
  - ✓ Combined presetting, heat-shrinking and measuring machine with tool turret, induction coil, tailstock and cooling system
  - ✓ High-precision spindle »ace«
  - ✓ Induction shrink-clamping system 13 kVA
  - ✓ Length adjustment device »ASZA«
  - ✓ Heat-shrink guidance system »sls«\*
  - ✓ Automatic monitoring of the shrinking length\*
  - ✓ Monitoring of coolant tube\*
  - ✓ MQL capability\* / Gas suction device\*
  - ✓ ZOLLER image processing software »pilot 3.0«
- \*optional

- ✓ Heidenhain glass scales for high measuring accuracy
- ✓ CCD camera with telecentric lens
- ✓ Adjustable induction coil, Carrier system, No stop disks necessary
- ✓ Repeat and in-series shrinking functionality
- ✓ Dynamic cross hairs over entire measuring window
- ✓ Analog focusing display for focusing the tool cutting edge
- ✓ Automatic cutting edge recognition, also greater than 90°
- ✓ Membrane keyboard for power-operated spindle brake and spindle lock
- ✓ Electronic fine adjustment of the X and Z axis
- ✓ Autofocus and rotary encoder / Tool inspection
- ✓ Control unit »cockpit« / Manual projector function / Adapter and tool management
- ✓ Zero point monitoring for process reliability
- ✓ Numerous measuring programs, for example, concentricity and run-out
- ✓ Machine table

We reserve the right to make technical changes.



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Technical Data	Measuring range Z	Measuring range X	Swivel-mounted diameter	Snap gauge $\phi$
»redomatic 600«	600 mm / 23.6"	175 mm / 6.8"	440 mm / 17.3"	200 mm / 7.8"
»redomatic 800«	800 mm / 31.4"		630 mm / 24.8"	

**Note:** The quoted measuring range may be reduced under circumstances when using adapters and tool posts.



»pilot 3.0« 24"

State-of-the-art image processing technology



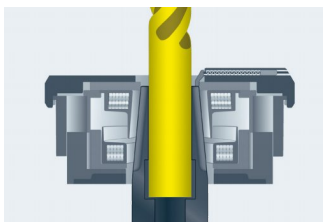
Induction coil 13 kVA for heat-shrinking of carbide/HSS tools



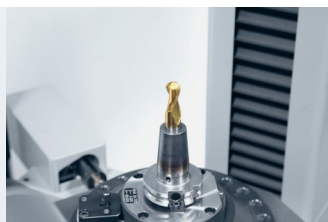
Heat-shrink guidance system »sls«



Integrated gas suction device



Adjustable coil



ZOLLER »masterPiece« in 60 seconds precise to 10 micron



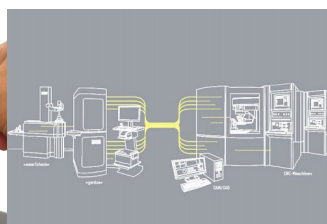
Control unit »cockpit«



Carrier system, Side-unit



Tool identification



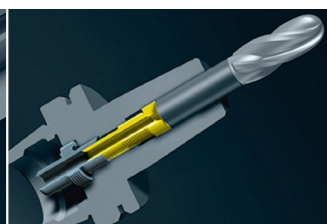
Data transmission



Swivel device 10/20kVA shrinks tools from  $\phi$  4 to  $\phi$  50 mm



Length adjustment device »ASZA/MMS«



Length adjustment device »ASZA«

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Maintenance unit



Color laser printer



Label printer



»ace« high-precision spindle



Membrane keyboard



SK 25 - 60 steep  
taper adapter



HSK 25 - 160 hollow shank  
taper adapter



VDI 16 - 80 adapter

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