

S C H Ü S S L E R

# $\mu$ -manic 55

INTELLIGENT BALANCING TECHNOLOGY



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[www.k-schuessler.de](http://www.k-schuessler.de)

**sk**  
the  $\mu$ -maker  
**SCHÜSSLER**

# Intelligent balancing technology from a single source

- Highest manufacturing accuracy by balancing our tool holders with our balancing technology
- Highest precision by special measuring technology with a repeatability and measurement accuracy of  $< 0,4$  gmm
- Power operated, secured clamping by high precision and unique constructed SCHÜSSLER balancing adapter
- Ergonomic design
- Balancing in one (static) as well as in two levels (dynamic)

## Large working area –

due to the large, completely pivotable protective door, there is a  $180^\circ$  spacious working area, in which tools of a max. length of 500 mm and diameter up to 480 mm can be balanced

## Storage compartment for balancing adapter –

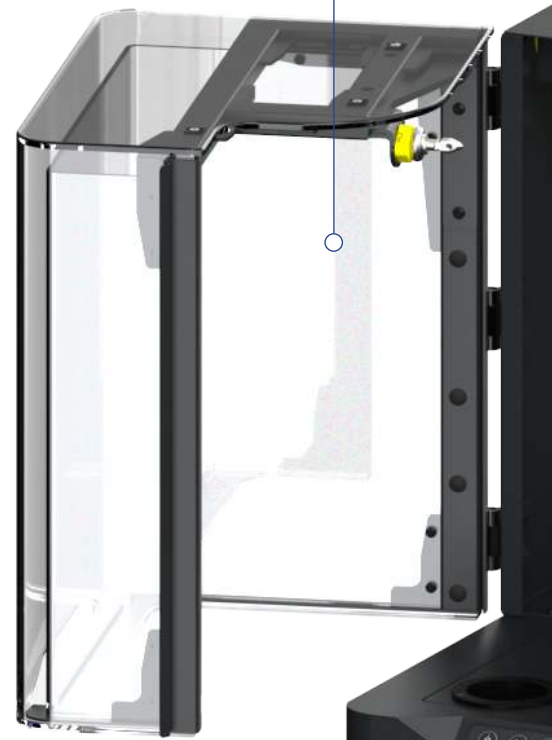
three storage compartments for an ergonomic and change of adapters

## Solid base –

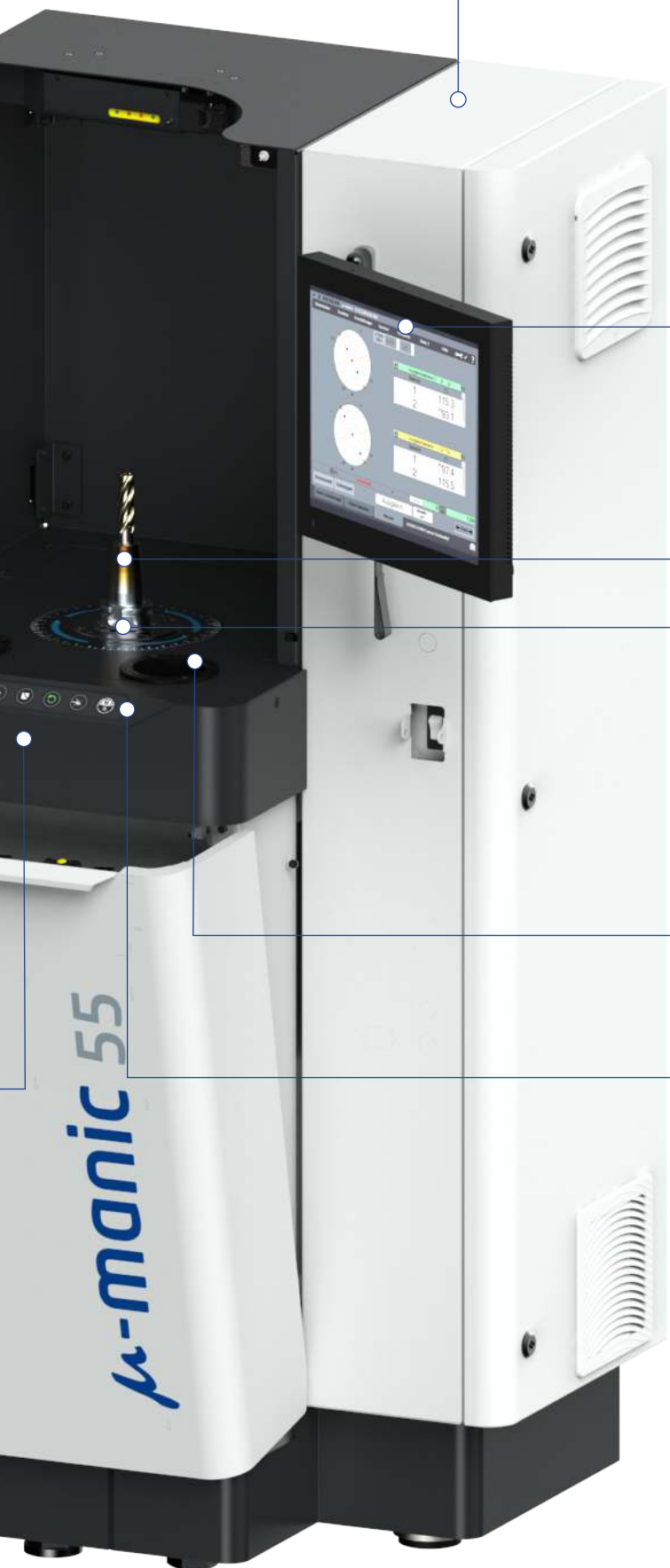
solid construction (500 kg) of a stiff and vibration-dampened UHPC material

## Casing –

with integrated retaining frame, completely decoupled from the base body. No crane is needed, pallet truck is enough



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**Protective door** – double windows for certified security. The inner window can be easily changed in case of damage

**Control panel** – completely integrated, with active ventilation and best accessibility for maintenance and service work

**Touch Screen** – easy handling, monitor-size 17", software 4:3, adjustable in tilt, networkable

**SCHÜSSLER balancing adapter** – highest precision by defined offset

**Highly accurate machine spindle** – with corresponding balancing adapter, nearly each tool hold can be clamped

**Adapter storage compartment** – safety adapter change, conveniently switching between adapter compartment and spindle

**Function keys** – all important operating elements are ergonomically arranged, dirt and oil resistant. Pleasant feel

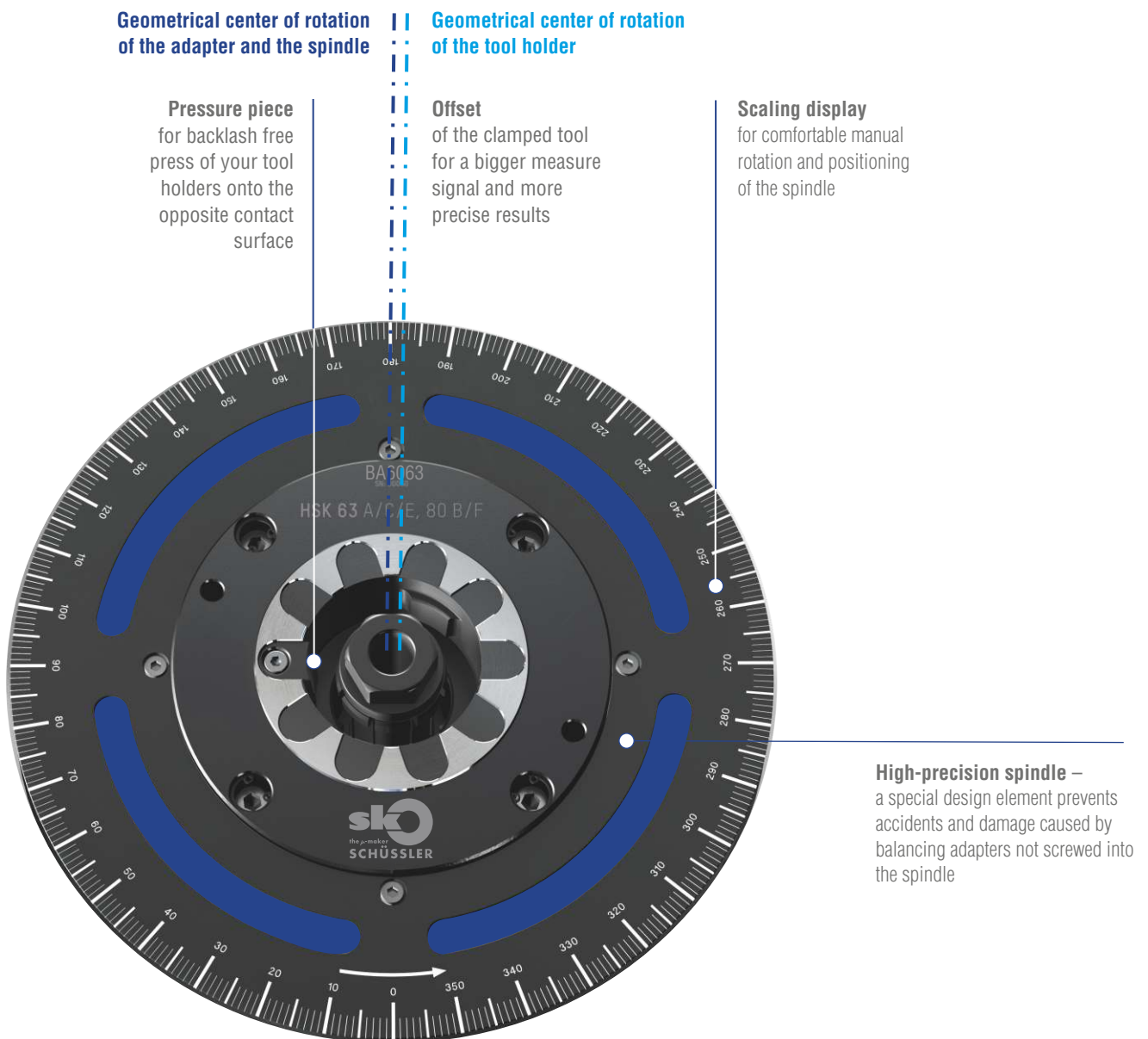
#### Technical data

Measuring range (Ø x h)	480 x 550 mm
Dimensions (l x w x h)	1044 x 992 x 1725 mm
Weight	730 kg
Electrical connection value	120 – 230 V / 50 – 60 hz / 720 VA
Pneumatical value	6 – 8 bar

# Our balancing adapter – precise and durable

engineered by SCHÜSSLER

The selection of high precise SCHÜSSLER balancing adapter with patented construction allow above average high repeatability and measurement accuracy of HSK and SK adapter.



## HSK-ADAPTER – HSK 32/40/50/63/80/100 A/C/E-B/D/F

- **Power operated tool clamping**  
with power spring package
- **High reproducibility** and repeatability
- **Draw bolt with ejector**  
for easy change of the tool holder
- **Maximum repeatability** thanks to a  
tool holder without radial or axial clearance
- **Certified safety** at adapter change



## SK-ADAPTER – SK 30/40/50

- **Universal patented tool clamping system**  
allows clamping of tool holders with any type  
of tightening bolt
- **Power operated tool clamping**  
with power spring package
- **High reproducibility** and repeatability
- **Maximum repeatability** thanks to a  
tool holder without radial or axial clearance
- **5-point-system** for backlash-free pickup  
of the steep taper\*
- **Certified safety** at adapter change
- **Balancing** of SK-Adapters without tightening  
bolt possible



\*Usable for various balancing devices of another producer

\*\* Further adapter on demand



## SCHÜSSLER Tool Holding Systems – Your Lead in Production!



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### Brilliant performance from Bodelshausen

For over 50 years, we, the SCHÜSSLER company, have been manufacturing our tool holders exclusively in Bodelshausen. Today we are one of the leading manufacturers and enjoy an excellent reputation worldwide. Our products are manufactured at the highest quality level.

We guarantee the durability of our tool holders and offer an excellent price-performance ratio. Our experienced sales team is always at your disposal providing a friendly, committed and competent service.

### Our product range (excerpt):

- Collet chucks-ER and ER “Mini”
- HAWK EYE® HPC-Precision ER-collet chucks and HAWK EYE “Mini”
- Shrink fit chucks 4,5° and 3° (slim)
- Endmill holders Weldon
- Tool holders with coolant for “Cool Tool” version
- Shell mill holders
- Shrink fit devices + accessories
- Balancing devices + accessories

Our tool holders are available in all standard taper shanks, such as:

- HSK-A 40/50/63/80/100
- HSK-E 32/40/50 and HSK-F 63
- SK 40 and 50 DIN 69871 Form AD/B
- MAS BT 30/40/50 and BT with double contact BTD 30/40
- Polygon shank “CORUM” C4/5/6/8

All types of tool holders are generally available in various lengths and are always fine-balanced G 2,5 at 25.000 min<sup>-1</sup>.

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