



Integrated overhead rotary transfer machine

Fully automatic function

NC axes for all movements

Integration into production lines

**High-performance measuring unit
CAB 850 based on industrial PC**

Fully-automatic Balancing Machine for Electric Armatures

Type 540KBTU

Field of application

Measurement and correction of the unbalance of non-wound commutator armatures of varying sizes and rotors which allow axial drilling correction.

Application of the machines in production lines for large production volumes.

Unbalance correction by drilling in one or two planes.

Correction procedure

Axial drilling:
Polar or in components.

Vector distribution of the measured unbalance to corresponding correction positions.

Special features

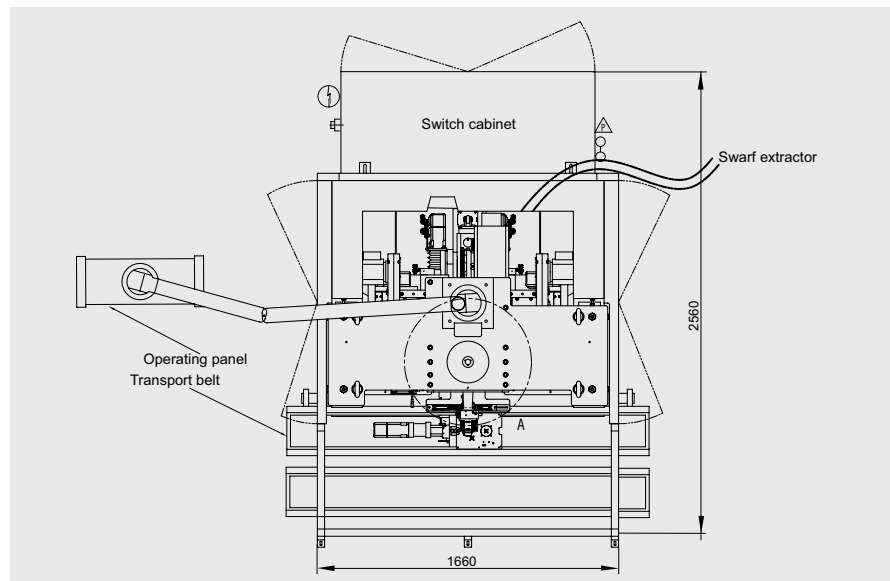
- High speed rotor transfer with overhead rotary transfer at small operating radius; shock-free transfer of the rotors due to sinusoidal movement. Grippers equipped with damage protection device.
- Correction station with digitally controlled drilling and positioning unit and optional drill touchpoint detection.

- Powerful measuring unit CAB 850 on the basis of an industrial PC: 15" touchscreen, digital signal processing, software module for the calculation of various correction procedures, automatic calibration of the correction curve, large memory for data storage, operator support, retooling supported by photo sequence, diagnosis programs, statistics software, external interface.

- Swarf extraction from below.
- Flexible use, easy conversion to different rotor types, fast troubleshooting.
- X/Y drill units.

Set-up (example)

- 4-station machine featuring fully-automatic sequence of operations.
- Interlinking of the peripherals by integral overhead circular transport.
- Workpieces can be supplied to the machine on conveyor belts or palettes.



Important data at a glance

Machine type	541 / 542 KBTU
Unbalance correction	Axial drilling
Cycle time	Correction in 2 planes
2 correction drillings per plane	10 - 12 sec



Balancing and Diagnostic Systems

SCHENCK RoTec GmbH
Landwehrstrasse 55
D-64293 Darmstadt

Tel.: +49 (0) 61 51 - 32 23 11
Fax: +49 (0) 61 51 - 32 23 15
eMail: rotec@schenck.net
www.schenck-rotec.com

The  Group