



CONTINUE OUR ABSOLUTE PERFORMANCE OF QUALITY

Over the last **48 MONTHS** we have manufactured more than 7600 cast-resin windings

ZERO-FAILURE IN SERVICE



**2 YEARS
WARRANTY**

COILS OBTAINED WITH SIL 12 AND SIL 16

- **A highly significant reduction in winding times.**
An operator can produce up to 12 coils in eight hours.
- **A stacking coefficient of over 70%** with respect to values of 50-56% obtained with the other wire-winding methods. All other conditions being equal, this leads to a definite reduction in winding thicknesses.
- **Greater thermal dissipation** with an equal average ΔT value of the windings of approximately 10-12%. This is due to the absence of interlayer isolating materials and the decreased thickness of the windings.
- **Almost non-existent partial discharge.**

WE WILL BE PRESENT AT THE FAIR
STAND 41B21





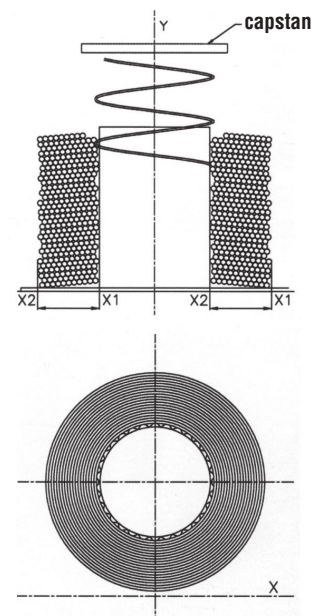
CONTINUING THE SUCCESS OF **SIL 12** AND **SIL 16** THE ABB GROUP PLACE A PURCHASE ORDER FOR 3 MACHINES

Patent n. VI2007A000124
Patent no. PCT/EP2008/003235



PRINCIPLE OF WINDING

The coils are preformed in a variable-geometry expander and by means of a rotating capstan they fall into a cylindrical shape, which is the inner part of the casting mould. The drawing beside this text illustrates the technical principle of the process. The coils are drawn down by the force of gravity and form in the vertical sense a series of overlapping layers.



RADIAL WINDING MACHINE SIL 12 *For transformer up to 1250KVA to 24 KV*



The **SIL 16** machine is based on the same technical principle as the SIL 12 model, differing only in terms of the larger dimensions of the machine and in terms of the coils that can be obtained. With the **SIL 16**, coils can be obtained having a maximum diameter of 720 mm and a height of 1600 mm. The maximum conductor diameter is 6.5 mm.

Excellent dielectric and impulse performance.
Partial discharging is almost non-existent.

Process time: 30 minutes per coil.

RADIAL WINDING MACHINE SIL 16 *For transformer up to 2500KVA to 24 KV*