

...ANOTHER YEAR OF SUCCESS FOR OUR **SIL12** AND **SIL16**

RADIAL WINDING MACHINE **SIL12 FOR TRANSFORMERS UP TO 1250KVA**

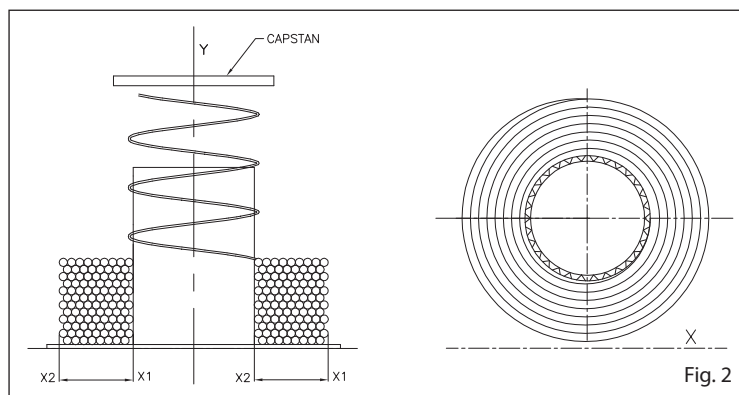
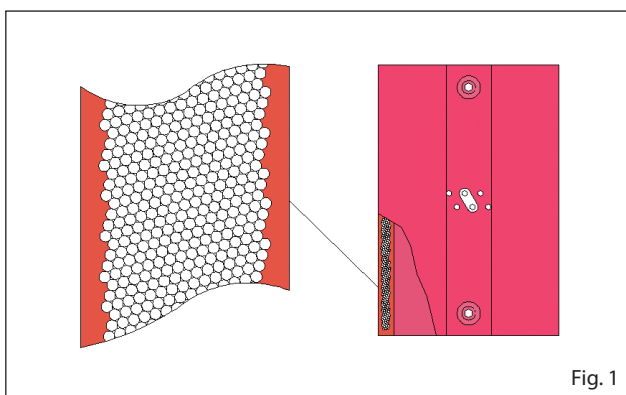


RADIAL WINDING MACHINE **SIL16 FOR TRANSFORMERS UP TO 2500KVA**

OPERATING PRINCIPLE

The turns of the winding are performed by a variable-geometry capstan which creates concentric coils as illustrated in figure 2.

The capstan is located in an upper position and allows the coils to drop by force of gravity and deposit at the bottom of the unit, thereby gradually creating layers that increase through the Y axis. The gradually forming layers are arranged in a manner similar to that shown in figure 1, and attain stacking rates of 70÷73 %, close to the maximum theoretical value of 78%.





Continues our **high performance of quality**
In the last five years, **SILTECH** has produced
more than **10600 coils** with radial winding technique, using

SIL12 and **SIL16**

ONLY ONE FAILURE IN SERVICE



COILS OBTAINED WITH SIL12 AND SIL16

- **A highly significant reduction in winding times.**
An operator can produce up to 12 coils in eight hours.
- **A stacking coefficient 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
IEEE PES T&D Conference and Exposition



DENVER

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