

## Re: Pancake coil winding

---

*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2008-03/msg00588.html>

---

- *From:* Spehro Pefhany <[speffSNIP@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:speffSNIP@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 03 Mar 2008 16:51:16 -0500
- 

On Mon, 3 Mar 2008 12:30:05 -0800 (PST), Tim Shoppa  
<[shoppa@xxxxxxxxxxxxxxxxxxxx](mailto:shoppa@xxxxxxxxxxxxxxxxxxxx)> wrote:

On Mar 3, 1:12 pm, Spehro Pefhany <[speffS...@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:speffS...@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)>  
wrote:

How are flat spiral (pancake) coils wound? How does the machine  
differ from a conventional computer controlled winding machine?

Isn't it just the degenerate case of 1 turn per layer?

No! More like one layer per turn-- but how do they get it to stay in  
place?

But the ridiculous aspect ratio (height of turns : width of turns way  
way bigger than one) will require some sort of bobbin wall.

I don't know much about "conventional computer controlled winding  
machines" but have run hand-driven Morris coil winders.

Tim.

Best regards,  
Spehro Pefhany

---  
"it's the network..." "The Journey is the reward"  
[speff@xxxxxxxxxxxx](mailto:speff@xxxxxxxxxxxx) Info for manufacturers: <http://www.trexon.com>  
Embedded software/hardware/analog Info for designers: <http://www.speff.com>