

# NASA TECH BRIEF

## NASA Pasadena Office



NASA Tech Briefs announce new technology derived from the U.S. space program. They are issued to encourage commercial application. Tech Briefs are available on a subscription basis from the National Technical Information Service, Springfield, Virginia 22151. Requests for individual copies or questions relating to the Tech Brief program may be directed to the Technology Utilization Office, NASA, Code KT, Washington, D.C. 20546.

### Magnet-Wire Wrapping Tool for Integrated Circuits

#### The problem:

To wrap magnet wire around integrated-circuit terminals uniformly and securely without damaging the insulative coating on the wire.

#### The solution:

A wire-dispensing tool which resembles a mechanical pencil.

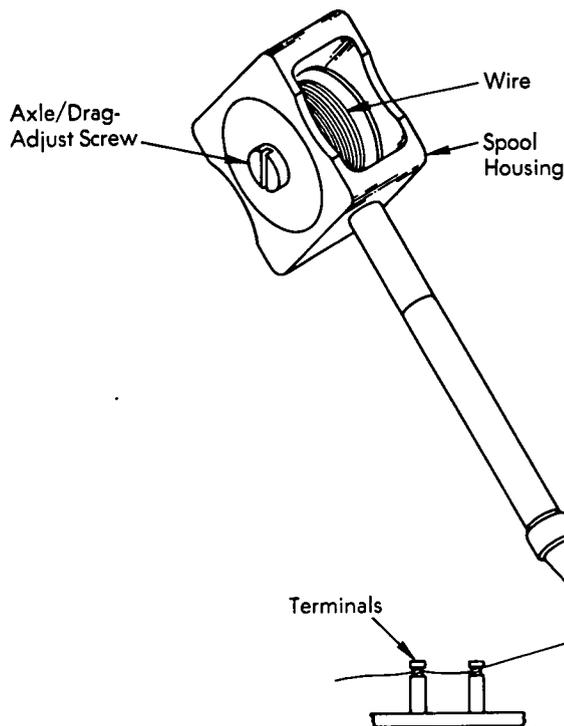
#### How it's done:

The tool shown in the diagram carries a supply of magnet wire on a spool. The wire passes through the hollow pencil-like stem and then through a tip of small diameter. The tool is manipulated easily inasmuch as it fits in the hand like a pencil; the tip is readily made to execute wire-wrapping movements. The tightness of the wire wrap is controlled by tension on the wire; the tension is controlled by restricting the unwinding of the wire from the spool by means of friction controlled by a screw on the axle supporting the spool.

#### Note:

Requests for further information may be directed to:

Technology Utilization Officer  
 NASA Pasadena Office  
 4800 Oak Grove Drive  
 Pasadena, California 91103  
 Reference: TSP 72-10426



#### Patent status:

No patent action is contemplated by NASA.

Source: Ted H. Takahashi of  
 Caltech/JPL  
 under contract to  
 NASA Pasadena Office  
 (NPO-11815)

Category 07