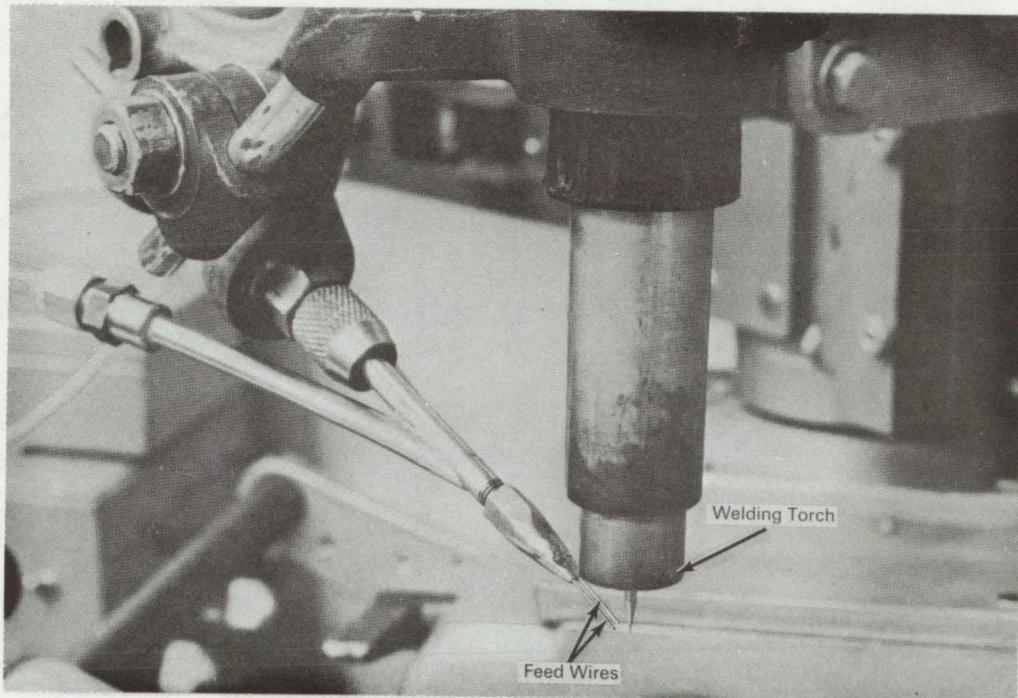


# NASA TECH BRIEF



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## Dual Wire Weld Feed Proportioner



A dual feed mechanism has been devised to enable proportioning of two different weld feed wires during automated TIG welding to produce a weld alloy deposit of the desired composition. The wires are fed into the weld simultaneously, each wire having an independently controlled feed system. The relative feed rates of the wires and the wire diameters determine the composition of the weld deposit.

This system would be useful in shops or laboratories having need for special weld alloys on short notice or in limited quantities. It should be especially useful for experimentation and development to establish suitable weld alloy compositions.

### Note:

Details may be obtained from:  
 Technology Utilization Officer  
 Marshall Space Flight Center  
 Huntsville, Alabama 35812  
 Reference: B68-10332

### Patent status:

No patent action is contemplated by NASA.

Source: R. E. Nugent  
 of North American Rockwell Corporation  
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 Category 05