

SCHEDULE 13G  
(Under the Securities Exchange Act of 1934)  
(Amendment No. 2)\*

ESCO ELECTRONICS CORP.

-----  
(Name of Issuer)

COMMON STOCK

-----  
(Title of Class of Securities)

269030201

-----  
(Cusip Number)

December 31, 1999

-----  
(Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant  
to which this schedule is filed:

- Rule 13d-1 (b)  
 Rule 13d-1 (c)  
 Rule 13d-1 (d)

\*The remainder of this cover page shall be filled out for a  
reporting person's initial filing of this form with respect to the  
subject class of securities, and for any subsequent amendment  
containing information which would alter the disclosures provided in  
a prior cover page.

The information required in the remainder of this cover page shall  
not be deemed to be "filed" for the purpose of Section 18 of the  
Securities Exchange Act of 1934 ("Act") or otherwise subject to the  
liabilities of that section of the Act, but shall be subject to all  
other provisions of the Act (however, see the Notes.)

[Continued on the following page(s)]  
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1. Name of reporting person  
S.S. or I.R.S. identification no. of above person

David L. Babson and Company Incorporated  
04-1054788

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2. Check the appropriate box if a member of a group\*s  
(a) ( )  
(b) ( X )

-----  
3. SEC use only

-----  
4. Citizenship or place of organization  
Massachusetts

-----  
Number of shares beneficially owned by each Reporting person  
with

5. Sole Voting Power

627,000

-----  
6. Shared Voting Power

0

7. Sole Dispositive Power

627,0000

8. Shared Dispositive Power  
0

9. Aggregate amount beneficially owned by each reporting person

627,000

10. Check if the aggregate amount in row (9) excludes certain shares\*

11. Percent of class represented by amount in row 9  
5.05%

12. Type of Reporting person  
IA

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SCHEDULE 13G

ITEM 1(A): NAME OF ISSUER:

ESCO ELECTRONICS CORP.

1(B): ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

8888 Ladue Road, Suite 200  
St. Louis, MO 63124-2090

ITEM 2(A): NAME OF PERSON FILING:

David L. Babson and Company Incorporated ("DLB")

ITEM 2(B): ADDRESS OF PRINCIPAL BUSINESS OFFICE:

One Memorial Drive  
Cambridge, Massachusetts 02142-1300

ITEM 2(C): CITIZENSHIP:

See Item 4 of Cover Page

ITEM 2(D): TITLE OF CLASS OF SECURITIES:

See Cover Page

ITEM 2(E): CUSIP NUMBER:

See Cover Page

ITEM 3: TYPE OF REPORTING PERSON:

If this statement is filed pursuant to Sections 240.13d-1 (b) or 240.13d-2 (b) or (c), check whether the filing person is a:

(e)  An investment adviser in accordance with Section 240.13d-1 (b) (1) (ii) (E)

ITEM 4: OWNERSHIP:

(a) AMOUNT BENEFICIALLY OWNED: DLB, in its capacity as investment adviser, may be deemed the beneficial owner of 627,000 shares of common stock of the Issuer which are owned by numerous investment counselling clients.

(b) PERCENT OF CLASS: 5.05%

(c) For information on voting and dispositive power with respect to the above listed shares, see Items 5 - 8 of Cover Page.

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ITEM 5: OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

Not Applicable

ITEM 6: OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

Not Applicable

ITEM 7: IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH  
ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING  
COMPANY:

Not Applicable

ITEM 8: IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

Not Applicable

ITEM 9: NOTICE OF DISSOLUTION OF GROUP:

Not Applicable

ITEM 10: CERTIFICATION:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purpose or effect.

SIGNATURE:

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: January 25, 2000

Signature: --//John E. Deitelbaum/--

Name/Title: JOHN E. DEITELBAUM

Counsel