

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

Urologix, Inc.

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(Name of Issuer)

Common Stock, Par Value \$0.01 Per Share

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(Title of Class of Securities)

917273104

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(CUSIP Number)

October 1, 2000

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(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 on 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).

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

EDAP TMS S.A.  
I.R.S. Identification No. not applicable

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a)   
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

France

5 SOLE VOTING POWER

1,692,466 shares (of which 327,466 shares may be acquired pursuant to a warrant exercisable within 60 days)

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON

6 SHARED VOTING POWER

Not Applicable

7 SOLE DISPOSITIVE POWER

WITH

1,692,466 shares (of which 327,466 shares may be acquired pursuant to a warrant exercisable within 60 days)

8 SHARED DISPOSITIVE POWER

Not Applicable

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,692,466 shares (of which 327,466 shares may be acquired pursuant to a warrant exercisable within 60 days)

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

12.7%

12 TYPE OF REPORTING PERSON

CO

Item 1.

- (a) Name of Issuer: Urologix, Inc.
- (b) Address of Issuer's Principal Executive Offices:  
14405 21st Avenue North  
Minneapolis, Minnesota 55447

Item 2.

- (a) Name of Persons Filing:  
EDAP TMS S.A.
- (b) Address of Principal Business Office:  
Parc D'Activites La Poudrette-Lamartine  
4-6 Rue du Dauphine  
69120 Vaulx-en-Velin  
France
- (c) Citizenship:  
France
- (d) Title of Class of Securities:  
Common Stock, Par Value \$0.01
- (e) CUSIP Number:  
917273104

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a(n):

- (a)  [ ] Broker or Dealer registered under Section 15 of the Act (15 U.S.C. 78o)
- (b)  [ ] Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c)
- (c)  [ ] Insurance Company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c)
- (d)  [ ] Investment Company registered under Section 8 of the Investment Company Act (15 U.S.C. 80a-8)
- (e)  [ ] Person registered as an investment adviser under Section 203 of the Investment Advisers Act of 1940  
  
(15 U.S.C. 80b-3) or under the laws of any state.
- (f)  [ ] Employee Benefit Plan or Endowment Fund in accordance with ss.240.13d-1(b)(1)(ii)(F)
- (g)  [ ] Parent Holding Company or Control Person in accordance with ss.240.13d-1(b)(ii)(G)
- (h)  [ ] Savings Association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813)
- (i)  [ ] Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3)
- (j)  [ ] Group in accordance with ss.240.13d-1(b)(1)(ii)(J)

Item 4. Ownership

- (a) Amount Beneficially Owned:  
  
1,692,466 shares (of which 327,466 shares may be acquired pursuant to a warrant exercisable within 60 days)
- (b) Percent of Class:  
  
12.7%
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or to direct the vote:  
1,692,466 shares (of which 327,466 shares may be acquired pursuant to a warrant exercisable within 60 days)

- (ii) Shared power to vote or to direct the vote:  
Not applicable
- (iii) Sole power to dispose or to direct the disposition of:  
1,692,466 shares (of which 327,466 shares may be acquired pursuant to a warrant exercisable within 60 days)
- (iv) Shared power to direct the disposition of:  
Not Applicable

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [ ]

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 not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having that 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.

EDAP TMS S.A.

By:

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Eric Simon  
Chief Executive Officer  
October 10, 2000